

# **Natural Gas Monthly**

## **November 2002**

**Energy Information Administration**  
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## Natural Gas Publications and Databases Available Electronically

All of the natural gas publications are available electronically on the EIA website. Certain natural gas data are also provided in database formats on the web site. The table below is a guide to the major natural gas products.

Product	Format	Contents
<b>Publications</b>		
<i>Weekly Natural Gas Storage Report</i>	HTML	Weekly natural gas stocks and implied net changes by three regions and U.S. total
<i>Natural Gas Weekly Update</i>	HTML	Analysis of current price, supply and storage data
<i>Natural Gas Monthly</i>	PDF	Monthly supply, disposition, and price data
<i>Natural Gas Annual</i>	PDF	Annual supply, disposition, and price data
<i>Historical Natural Gas Annual</i>	PDF	Historical annual supply, disposition, and price data from 1930 - 2000
<i>U.S. Crude Oil, Natural Gas and Natural Gas Liquids Reserves</i>	PDF	Proved reserves in the United States
<i>Oil and Gas Field Code Master List</i>	PDF	Listing of U.S. oil and gas field names
<b><u>Databases</u></b>		
Monthly Data	TXT	Tables 1-6, and 9 from the <i>Natural Gas Monthly</i>
Historical Monthly Data	EXE	Consumption and price data, 1984-1994; 1995-present
Annual Data	TXT	Tables from the <i>Natural Gas Annual</i>
Historical Annual Data	TXT	Tables from the <i>Historical Natural Gas Annual</i>
<b><u>Applications</u></b>		
EIA-176 Query System	EXE	Company filings of the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"

PDF files are image files that can be viewed through Adobe Acrobat.

TXT files are ASCII text. They may be replications of published tables, including table titles, column and row identification, or they may be flat files with a minimum of content description suitable for input to spreadsheets or other programs.

EXE files are executables that can be downloaded then opened. Databases are distributed as self-executing Zipped archives which spawn numerous data files and documentation. Applications are distributed as self-executing Zipped archives which initially generate numerous files and then form an application which is installed on the user's PC.

# Preface

The *Natural Gas Monthly (NGM)* is prepared in the Natural Gas Division, Office of Oil and Gas, Energy Information Administration (EIA), U.S. Department of Energy (DOE), under the direction of Elizabeth Campbell.

General questions and comments regarding the *NGM* may be referred to Roy Kass (202) 586-4790. Specific technical questions may be referred to the appropriate persons listed in Appendix D.

The *NGM* highlights activities, events, and analyses of interest to public and private sector organizations associated with the natural gas industry. Volume and price data are presented each month for natural gas production, distribution, consumption, and interstate pipeline activities. Producer-related activities and underground storage data are also reported. From time to time, the *NGM* features articles designed to assist readers in using and interpreting natural gas information.

The data in this publication are collected on surveys conducted by the EIA to fulfill its responsibilities for gathering and reporting energy data. Some of the data are collected under the authority of the Federal Energy Regulatory Commission (FERC), an independent commission within the DOE, which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. Geographic coverage is the 50 States and the District of Columbia.

Explanatory Notes supplement the information found in tables of the report. A description of the data collection surveys that support the *NGM* is provided in the Data Sources section. A glossary of the terms used in this report is also provided to assist readers in understanding the data presented in this publication.

All natural gas volumes are reported at a pressure base of 14.73 pounds per square inch absolute (psia) and at 60 degrees Fahrenheit. Cubic feet are converted to cubic meters by applying a factor of 0.02831685.

# Common Abbreviations Used in the Natural Gas Monthly

AGA	American Gas Association	Mcf	Thousand cubic feet
Bcf	Billion cubic feet	MMBtu	Million British thermal units
Btu	British thermal unit	MMcf	Million cubic feet
DOE	U.S. Department of Energy	MMS	Minerals Management Service, U.S. Department of the Interior
EIA	Energy Information Administration, U.S. Department of Energy	OCS	Outer Continental Shelf
FERC	Federal Energy Regulatory Commission	STIFS	Short-Term Integrated Forecasting System
IOGCC	Interstate Oil and Gas Compact Commission	STEO	Short-Term Energy Outlook
LNG	Liquefied natural gas	Tcf	Trillion cubic feet

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# Highlights

This issue of the *Natural Gas Monthly* contains estimates of natural gas data through August 2002 for many data series at the national level. National-level natural gas prices are available through May 2002 (electric utilities), or August (residential, commercial, industrial, and wellhead). State-level data generally are available through August 2002, although underground storage data are available through September 2002.

Recent analyses of the natural gas industry are available on the EIA web site, [www.eia.doe.gov](http://www.eia.doe.gov), under “Featured Topics” to the right side of the home page. The first two reports listed below are updated regularly. These reports are:

- *Weekly Natural Gas Storage Report* — a weekly report containing estimates of natural gas in underground storage for the United States and three regions of the United States released each Thursday at 10:30 a.m. at the EIA Web site, except for certain weeks with Federal holidays. The report, first released on May 9, 2002, contains estimates of storage for the current and prior week and comparisons to

previous periods. Links are provided to papers describing survey Form EIA-912, “Weekly Underground Natural Gas Survey,” and the estimation methodology.

- *Natural Gas Weekly Update* - a current analysis of the industry each week, including information on natural gas spot and futures prices and storage activities. This page also provides links to numerous other EIA sites dealing with natural gas.
- *Short-Term Energy Outlook* - projections of energy consumption, supply, and price by type of fuel, including natural gas, for the next 18 months.

Other natural gas data and analyses may be found through the “Natural Gas” section of EIA’s web site. In the center section of the home page, the user should place the cursor on “By Fuel,” then click on “Natural Gas” in the drop-down menu.

**Table 1. Summary of Natural Gas Production in the United States, 1996-2002**  
(Billion Cubic Feet)

Year and Month	Gross Withdrawals	Repressuring	Nonhydrocarbon Gases Removed <sup>a</sup>	Vented and Flared	Marketed Production (Wet)	Extraction Loss <sup>b</sup>	Dry Gas Production <sup>c</sup>
<b>1996 Total</b> .....	<b>24,114</b>	<b>3,511</b>	<b>518</b>	<b>272</b>	<b>19,812</b>	<b>958</b>	<b>18,854</b>
<b>1997 Total</b> .....	<b>24,213</b>	<b>3,492</b>	<b>599</b>	<b>256</b>	<b>19,866</b>	<b>964</b>	<b>18,902</b>
<b>1998 Total</b> .....	<b>24,108</b>	<b>3,427</b>	<b>617</b>	<b>103</b>	<b>19,961</b>	<b>938</b>	<b>19,024</b>
<b>1999 Total</b> .....	<b>23,823</b>	<b>3,293</b>	<b>615</b>	<b>110</b>	<b>19,805</b>	<b>973</b>	<b>18,832</b>
<b>2000</b>							
January .....	2,061	302	51	8	1,700	86	1,614
February .....	1,917	289	50	10	1,569	80	1,489
March .....	2,085	307	54	7	1,717	87	1,630
April .....	1,966	282	51	10	1,623	82	1,540
May .....	2,009	264	52	8	1,686	86	1,600
June .....	1,971	268	52	8	1,643	83	1,560
July .....	2,024	264	53	11	1,697	86	1,611
August .....	2,042	275	53	8	1,707	87	1,620
September .....	1,985	279	52	8	1,647	84	1,563
October .....	2,088	302	53	8	1,725	88	1,638
November .....	1,986	297	45	7	1,636	83	1,553
December .....	2,019	306	54	7	1,652	84	1,568
<b>Total</b> .....	<b>24,153</b>	<b>3,434</b>	<b>617</b>	<b>100</b>	<b>20,002</b>	<b>1,016</b>	<b>18,987</b>
<b>2001</b>							
January .....	<sup>E</sup> 2,131	<sup>E</sup> 314	<sup>E</sup> 46	<sup>E</sup> 9	<sup>E</sup> 1,762	<sup>E</sup> 89	<sup>E</sup> 1,672
February .....	<sup>E</sup> 1,928	<sup>E</sup> 289	<sup>E</sup> 39	<sup>E</sup> 8	<sup>E</sup> 1,592	<sup>E</sup> 81	<sup>E</sup> 1,511
March .....	<sup>E</sup> 2,154	<sup>E</sup> 336	<sup>E</sup> 43	<sup>E</sup> 9	<sup>E</sup> 1,767	<sup>E</sup> 90	<sup>E</sup> 1,677
April .....	<sup>E</sup> 2,059	<sup>E</sup> 306	<sup>E</sup> 42	<sup>E</sup> 8	<sup>E</sup> 1,703	<sup>E</sup> 87	<sup>E</sup> 1,616
May .....	<sup>E</sup> 2,100	<sup>E</sup> 300	<sup>E</sup> 41	<sup>E</sup> 9	<sup>E</sup> 1,750	<sup>E</sup> 89	<sup>E</sup> 1,661
June .....	<sup>E</sup> 1,999	<sup>E</sup> 284	<sup>E</sup> 41	<sup>E</sup> 8	<sup>E</sup> 1,665	<sup>E</sup> 85	<sup>E</sup> 1,580
July .....	<sup>E</sup> 2,061	<sup>E</sup> 285	<sup>E</sup> 43	<sup>E</sup> 9	<sup>E</sup> 1,723	<sup>E</sup> 88	<sup>E</sup> 1,635
August .....	<sup>E</sup> 2,064	<sup>E</sup> 293	<sup>E</sup> 43	<sup>E</sup> 10	<sup>E</sup> 1,718	<sup>E</sup> 87	<sup>E</sup> 1,631
September .....	<sup>E</sup> 1,984	<sup>E</sup> 274	<sup>E</sup> 42	<sup>E</sup> 9	<sup>E</sup> 1,659	<sup>E</sup> 84	<sup>E</sup> 1,575
October .....	<sup>E</sup> 2,073	<sup>E</sup> 276	<sup>E</sup> 44	<sup>E</sup> 10	<sup>E</sup> 1,743	<sup>E</sup> 89	<sup>E</sup> 1,654
November .....	<sup>E</sup> 2,050	<sup>E</sup> 321	<sup>E</sup> 43	<sup>E</sup> 9	<sup>E</sup> 1,676	<sup>E</sup> 85	<sup>E</sup> 1,591
December .....	<sup>E</sup> 2,118	<sup>E</sup> 336	<sup>E</sup> 40	<sup>E</sup> 9	<sup>E</sup> 1,733	<sup>E</sup> 88	<sup>E</sup> 1,645
<b>Total</b> .....	<b><sup>E</sup>24,719</b>	<b><sup>E</sup>3,615</b>	<b><sup>E</sup>508</b>	<b><sup>E</sup>107</b>	<b><sup>E</sup>20,490</b>	<b><sup>E</sup>1,041</b>	<b><sup>E</sup>19,449</b>
<b>2002</b>							
January .....	<sup>E</sup> 2,137	<sup>E</sup> 327	<sup>E</sup> 33	<sup>E</sup> 9	<sup>E</sup> 1,768	<sup>E</sup> 90	<sup>E</sup> 1,679
February .....	<sup>E</sup> 1,924	<sup>E</sup> 304	<sup>E</sup> 30	<sup>E</sup> 8	<sup>E</sup> 1,582	<sup>E</sup> 80	<sup>E</sup> 1,502
March .....	<sup>E</sup> 2,142	<sup>E</sup> 333	<sup>E</sup> 34	<sup>E</sup> 9	<sup>E</sup> 1,767	<sup>E</sup> 90	<sup>E</sup> 1,677
April .....	<sup>E</sup> 2,045	<sup>E</sup> 312	<sup>E</sup> 33	<sup>E</sup> 8	<sup>E</sup> 1,692	<sup>E</sup> 86	<sup>E</sup> 1,606
May .....	<sup>RE</sup> 2,110	<sup>E</sup> 315	<sup>E</sup> 34	<sup>E</sup> 9	<sup>RE</sup> 1,752	<sup>E</sup> 89	<sup>RE</sup> 1,663
June .....	<sup>RE</sup> 2,036	<sup>RE</sup> 299	<sup>E</sup> 33	<sup>E</sup> 8	<sup>RE</sup> 1,696	<sup>E</sup> 86	<sup>RE</sup> 1,610
July .....	<sup>RE</sup> 2,089	<sup>RE</sup> 277	<sup>RE</sup> 34	<sup>RE</sup> 9	<sup>RE</sup> 1,769	<sup>RE</sup> 90	<sup>RE</sup> 1,680
August .....	<sup>E</sup> 2,008	<sup>E</sup> 287	<sup>E</sup> 33	<sup>E</sup> 8	<sup>E</sup> 1,680	<sup>E</sup> 85	<sup>E</sup> 1,595
<b>2002 YTD</b> .....	<b><sup>E</sup>16,491</b>	<b><sup>E</sup>2,453</b>	<b><sup>E</sup>263</b>	<b><sup>E</sup>67</b>	<b><sup>E</sup>13,708</b>	<b><sup>E</sup>696</b>	<b><sup>E</sup>13,011</b>
<b>2001 YTD</b> .....	<b><sup>E</sup>16,495</b>	<b><sup>E</sup>2,408</b>	<b><sup>E</sup>338</b>	<b><sup>E</sup>70</b>	<b><sup>E</sup>13,679</b>	<b><sup>E</sup>695</b>	<b><sup>E</sup>12,984</b>
<b>2000 YTD</b> .....	<b>16,075</b>	<b>2,251</b>	<b>414</b>	<b>69</b>	<b>13,342</b>	<b>677</b>	<b>12,664</b>

<sup>a</sup> See Appendix A, Explanatory Note 1, for a discussion of data on Nonhydrocarbon Gases Removed.

<sup>b</sup> Extraction loss is collected only on an annual basis. Monthly extraction loss is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.

<sup>c</sup> Equal to marketed production (wet) minus extraction loss.

<sup>E</sup> Estimated Data.

<sup>RE</sup> Revised Estimated Data.

**Notes:** Data for 1996 through 2000 are final. All other data are preliminary

unless otherwise indicated and contain estimates for selected States (see Table 7). Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

**Sources:** 1996-2000: Energy Information Administration (EIA), *Natural Gas Annual 2000*. January 2001 through current month: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," and EIA estimates. See Appendix A, Explanatory Notes 1, 3, and 6, for discussion of computation and estimation procedures and revision policies.



**Table 2. Supply and Disposition of Dry Natural Gas in the United States, 1996-2002**  
(Billion Cubic Feet)

Year and Month	Dry Gas Production	Supplemental Gaseous Fuels <sup>a</sup>	Net Imports	Net Storage Withdrawals <sup>b</sup>	Balancing Item <sup>c</sup>	Consumption <sup>d</sup>
<b>1996 Total</b> .....	<b>18,854</b>	<b>109</b>	<b>2,784</b>	<b>2</b>	<b>217</b>	<b>21,967</b>
<b>1997 Total</b> .....	<b>18,902</b>	<b>103</b>	<b>2,837</b>	<b>24</b>	<b>61</b>	<b>21,959</b>
<b>1998 Total</b> .....	<b>19,024</b>	<b>102</b>	<b>2,993</b>	<b>-530</b>	<b>-334</b>	<b>21,277</b>
<b>1999 Total</b> .....	<b>18,832</b>	<b>98</b>	<b>3,422</b>	<b>172</b>	<b>-897</b>	<b>21,620</b>
<b>2000</b>						
January .....	1,614	9	308	799	-220	2,510
February .....	1,489	8	279	460	95	2,331
March .....	1,630	7	286	155	-28	2,051
April .....	1,540	6	277	-47	6	1,783
May .....	1,600	6	268	-237	-5	1,633
June .....	1,560	5	280	-291	-41	1,513
July .....	1,611	7	303	-296	-99	1,526
August .....	1,620	7	298	-201	-71	1,653
September .....	1,563	6	284	-297	-81	1,475
October .....	1,638	7	301	-247	-131	1,568
November .....	1,553	8	305	295	-252	1,909
December .....	1,568	9	349	735	-74	2,587
<b>Total</b> .....	<b>18,987</b>	<b>86</b>	<b>3,538</b>	<b>829</b>	<b>-827</b>	<b>22,547</b>
<b>2001</b>						
January .....	<sup>E</sup> 1,672	<sup>E</sup> 8	349	467	141	2,636
February .....	<sup>E</sup> 1,511	<sup>E</sup> 7	303	338	120	2,278
March .....	<sup>E</sup> 1,677	<sup>E</sup> 7	327	181	19	2,211
April .....	<sup>E</sup> 1,616	<sup>E</sup> 6	297	-276	137	1,780
May .....	<sup>E</sup> 1,661	<sup>E</sup> 5	300	-448	-39	1,480
June .....	<sup>E</sup> 1,580	<sup>E</sup> 5	300	-422	-91	1,372
July .....	<sup>E</sup> 1,635	<sup>E</sup> 7	336	-376	-111	1,490
August .....	<sup>E</sup> 1,631	<sup>E</sup> 6	327	-305	-144	1,514
September .....	<sup>E</sup> 1,575	<sup>E</sup> 6	284	-368	-116	1,380
October .....	<sup>E</sup> 1,654	<sup>E</sup> 6	294	-189	-223	1,543
November .....	<sup>E</sup> 1,591	<sup>E</sup> 7	256	-85	-154	1,615
December .....	<sup>E</sup> 1,645	<sup>E</sup> 8	275	350	-256	2,021
<b>Total</b> .....	<b><sup>E</sup>19,449</b>	<b><sup>E</sup>77</b>	<b>3,647</b>	<b>-1,134</b>	<b>-718</b>	<b>21,322</b>
<b>2002</b>						
January .....	<sup>E</sup> 1,679	<sup>E</sup> 8	314	546	<sup>R</sup> -214	<sup>R</sup> 2,332
February .....	<sup>E</sup> 1,502	<sup>E</sup> 7	280	462	<sup>R</sup> -157	<sup>R</sup> 2,094
March .....	<sup>E</sup> 1,677	<sup>E</sup> 8	300	320	<sup>R</sup> -206	<sup>R</sup> 2,099
April .....	<sup>E</sup> 1,606	<sup>E</sup> 6	279	-126	-65	1,700
May .....	<sup>RE</sup> 1,663	<sup>E</sup> 6	288	-323	<sup>R</sup> -174	1,459
June .....	<sup>RE</sup> 1,610	<sup>E</sup> 5	277	-339	<sup>R</sup> -185	<sup>R</sup> 1,369
July .....	<sup>RE</sup> 1,680	<sup>E</sup> 7	<sup>R</sup> 284	-239	<sup>R</sup> -292	<sup>R</sup> 1,439
August .....	<sup>E</sup> 1,595	<sup>E</sup> 7	<sup>E</sup> 304	-234	-234	1,438
<b>2002 YTD</b> .....	<b><sup>E</sup>13,011</b>	<b><sup>E</sup>53</b>	<b><sup>E</sup>2,327</b>	<b>68</b>	<b>-1,527</b>	<b>13,931</b>
<b>2001 YTD</b> .....	<b><sup>E</sup>12,984</b>	<b><sup>E</sup>50</b>	<b>2,539</b>	<b>-843</b>	<b>32</b>	<b>14,762</b>
<b>2000 YTD</b> .....	<b>12,664</b>	<b>56</b>	<b>2,298</b>	<b>343</b>	<b>-362</b>	<b>15,000</b>

<sup>a</sup> Supplemental gaseous fuels data are collected only on an annual basis except for the Dakota Gasification Co. coal gasification facility which provides data each month. The ratio of annual supplemental fuels (excluding Dakota Gasification Co.) to the sum of dry gas production, net imports, and net withdrawals from storage is calculated. This ratio is applied to the monthly sum of these three elements. The Dakota Gasification Co. monthly value is added to the result to produce the monthly supplemental fuels estimate.

<sup>b</sup> Monthly and annual data for 1996 through 2000 include underground storage and liquefied natural gas storage. Data for January 2001 forward include underground storage only. See Appendix A, Explanatory Note 7 for discussion of computation procedures.

<sup>c</sup> Represents quantities lost and imbalances in data due to differences among data sources. Annual balancing item for 1997-2000 includes net intransit deliveries through the United States for natural gas not contained in the monthly net imports figures. These intransit deliveries were (in billion cubic feet): -65 for 2000; -8 for 1999; 22 for 1998; 31 for 1997. See Appendix

A, Explanatory Note 9, for full discussion.

<sup>d</sup> Consists of pipeline fuel use, lease and plant fuel use, vehicle fuel, and deliveries to consuming sectors as shown in Table 3.

<sup>R</sup> Revised Data.

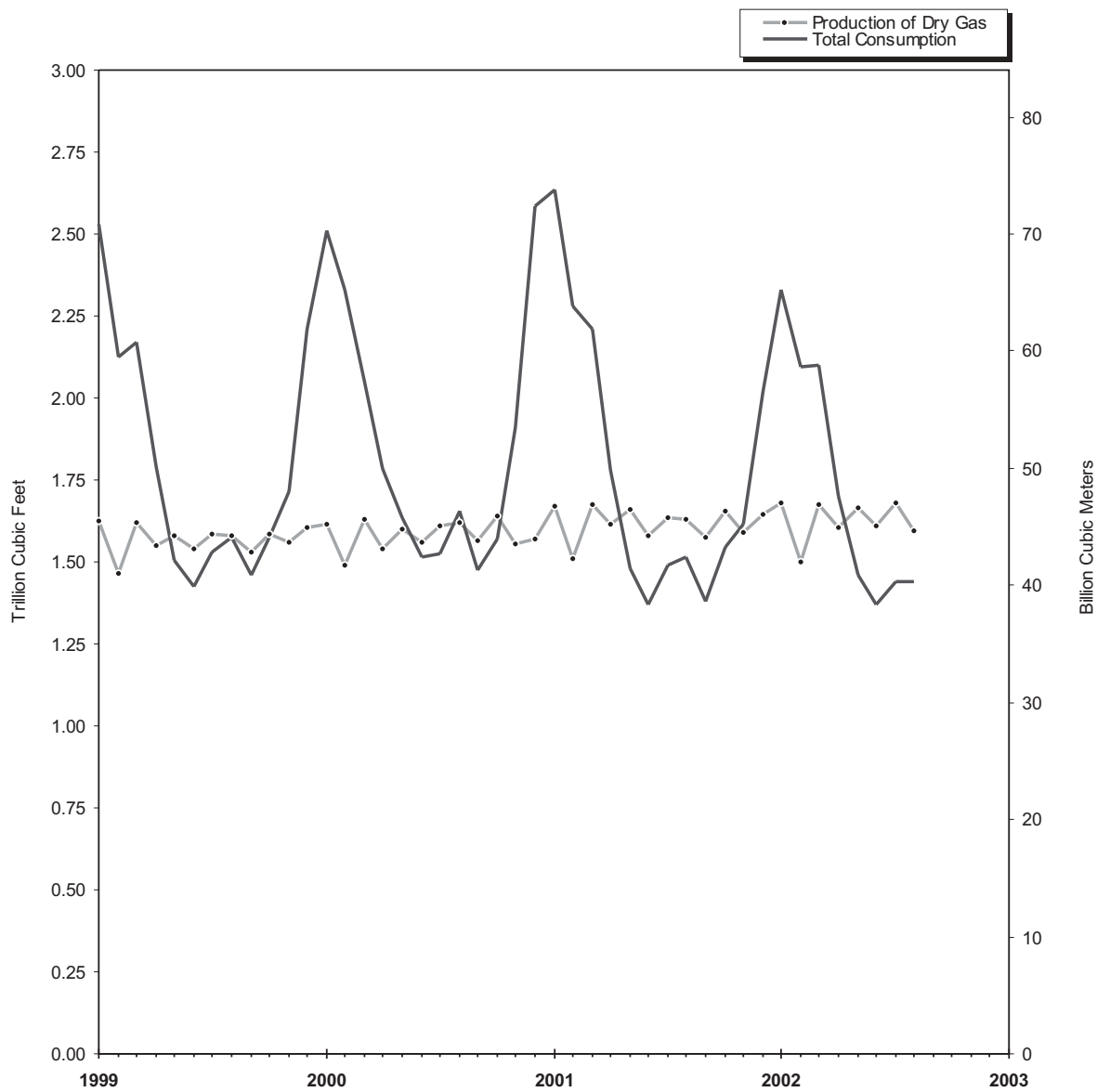
<sup>E</sup> Estimated Data.

<sup>RE</sup> Revised Estimated Data.

**Notes:** Data for 1996 through 2000 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding.

**Sources:** 1996-2000: Energy Information Administration (EIA), *Natural Gas Annual 2000*. January 2001 through current month: EIA, Form EIA-895, Form EIA-857, Form EIA-191, EIA computations and estimates, and Office of Fossil Energy, *"Natural Gas Imports and Exports."* See Appendix A, Notes 2 and 4, for discussion of computation and estimation procedures and revision policies.

Figure 1. Production and Consumption of Natural Gas in the United States, 1999-2002



Source: Table 2.

**Table 3. Natural Gas Consumption in the United States, 1996-2002**  
(Billion Cubic Feet)

Year and Month	Lease and Plant Fuel <sup>a</sup>	Pipeline Fuel <sup>b</sup>	Delivered to Consumers					Total Consumption
			Residential	Commercial <sup>c</sup>	Industrial	Electric Utilities	Total	
<b>1996 Total</b> .....	<b>1,250</b>	<b>711</b>	<b>5,241</b>	<b>3,161</b>	<b>8,870</b>	<b>2,732</b>	<b>20,006</b>	<b>21,967</b>
<b>1997 Total</b> .....	<b>1,203</b>	<b>751</b>	<b>4,984</b>	<b>3,219</b>	<b>8,832</b>	<b>2,968</b>	<b>20,004</b>	<b>21,959</b>
<b>1998 Total</b> .....	<b>1,173</b>	<b>635</b>	<b>4,520</b>	<b>3,005</b>	<b>8,686</b>	<b>3,258</b>	<b>19,469</b>	<b>21,277</b>
<b>1999 Total</b> .....	<b>1,079</b>	<b>645</b>	<b>4,726</b>	<b>3,050</b>	<b>9,006</b>	<b>3,113</b>	<b>19,895</b>	<b>21,620</b>
<b>2000</b>								
January .....	96	73	862	454	835	190	2,342	2,510
February .....	89	67	774	423	809	167	2,174	2,331
March .....	97	59	550	353	785	208	1,894	2,051
April .....	92	51	401	259	767	215	1,640	1,783
May .....	94	46	228	183	772	309	1,492	1,633
June .....	92	43	154	150	767	307	1,378	1,513
July .....	95	43	128	139	746	373	1,387	1,526
August .....	96	47	122	153	825	410	1,510	1,653
September .....	93	42	141	151	765	284	1,340	1,475
October .....	98	44	236	184	793	213	1,426	1,568
November .....	93	55	482	293	806	180	1,761	1,909
December .....	94	75	913	475	843	187	2,418	2,587
<b>Total</b> .....	<b>1,130</b>	<b>644</b>	<b>4,992</b>	<b>3,226</b>	<b>9,512</b>	<b>3,043</b>	<b>20,772</b>	<b>22,547</b>
<b>2001</b>								
January .....	<sup>E</sup> 100	75	984	500	820	158	2,462	2,636
February .....	<sup>E</sup> 90	65	784	424	772	144	2,123	2,278
March .....	<sup>E</sup> 100	63	686	376	813	172	2,048	2,211
April .....	<sup>E</sup> 96	51	404	257	759	212	1,633	1,780
May .....	<sup>E</sup> 99	42	210	166	727	236	1,339	1,480
June .....	<sup>E</sup> 94	39	148	137	693	261	1,239	1,372
July .....	<sup>E</sup> 97	43	125	132	736	357	1,350	1,490
August .....	<sup>E</sup> 97	43	118	138	757	361	1,374	1,514
September .....	<sup>E</sup> 94	39	129	143	719	255	1,247	1,380
October .....	<sup>E</sup> 98	44	241	188	747	225	1,400	1,543
November .....	<sup>E</sup> 95	46	367	230	725	151	1,474	1,615
December .....	<sup>E</sup> 98	58	617	347	749	153	1,866	2,021
<b>Total</b> .....	<sup>E</sup> 1,158	<b>609</b>	<b>4,815</b>	<b>3,037</b>	<b>9,016</b>	<b>2,686</b>	<b>19,554</b>	<b>21,322</b>
<b>2002</b>								
January .....	<sup>E</sup> 100	67	821	434	<sup>R</sup> 764	147	<sup>R</sup> 2,166	<sup>R</sup> 2,332
February .....	<sup>E</sup> 89	60	704	394	<sup>R</sup> 709	137	<sup>R</sup> 1,945	<sup>R</sup> 2,094
March .....	<sup>E</sup> 100	60	666	375	<sup>R</sup> 737	161	<sup>R</sup> 1,940	<sup>R</sup> 2,099
April .....	<sup>E</sup> 96	49	419	271	696	169	1,556	1,700
May .....	<sup>E</sup> 99	42	259	193	687	180	1,319	1,459
June .....	<sup>E</sup> 96	39	164	157	<sup>R</sup> 685	229	<sup>R</sup> 1,234	<sup>R</sup> 1,369
July .....	<sup>RE</sup> 100	<sup>R</sup> 41	128	145	<sup>R</sup> 731	<sup>R</sup> 294	<sup>R</sup> 1,298	<sup>R</sup> 1,439
August .....	<sup>E</sup> 95	41	118	150	746	288	1,302	1,438
<b>2002 YTD<sup>d</sup></b> .....	<b>774</b>	<b>398</b>	<b>3,279</b>	<b>2,118</b>	<b>5,755</b>	<b>1,606</b>	<b>12,759</b>	<b>13,931</b>
<b>2001 YTD<sup>d</sup></b> .....	<b>773</b>	<b>422</b>	<b>3,460</b>	<b>2,130</b>	<b>6,076</b>	<b>1,902</b>	<b>13,568</b>	<b>14,762</b>
<b>2000 YTD<sup>d</sup></b> .....	<b>753</b>	<b>429</b>	<b>3,220</b>	<b>2,114</b>	<b>6,305</b>	<b>2,179</b>	<b>13,818</b>	<b>15,000</b>

<sup>a</sup> Plant fuel data and lease fuel data are collected only annually. Monthly lease and plant fuel use is estimated from monthly marketed production by assuming that the preceding annual percentage remains constant for the next twelve months.

<sup>b</sup> Pipeline fuel use is collected only on an annual basis. Monthly pipeline fuel data are estimated from monthly total consumption(excluding pipeline fuel) by assuming that the preceding annual percentage remains constant for the next twelve months.

<sup>c</sup> Vehicle fuel is included in the annual total of deliveries to commercial consumers for 1996-2000 but not in the monthly volumes. Volumes delivered for use as vehicle fuel (in billion cubic feet) were 2.9 in 1996, 4.4 in 1997, 5.1 in 1998, 5.7 in 1999, and 8.3 in 2000.

<sup>d</sup> Year-to-date volume represents months for which volume information is available in the current year.

<sup>R</sup> Revised Data.

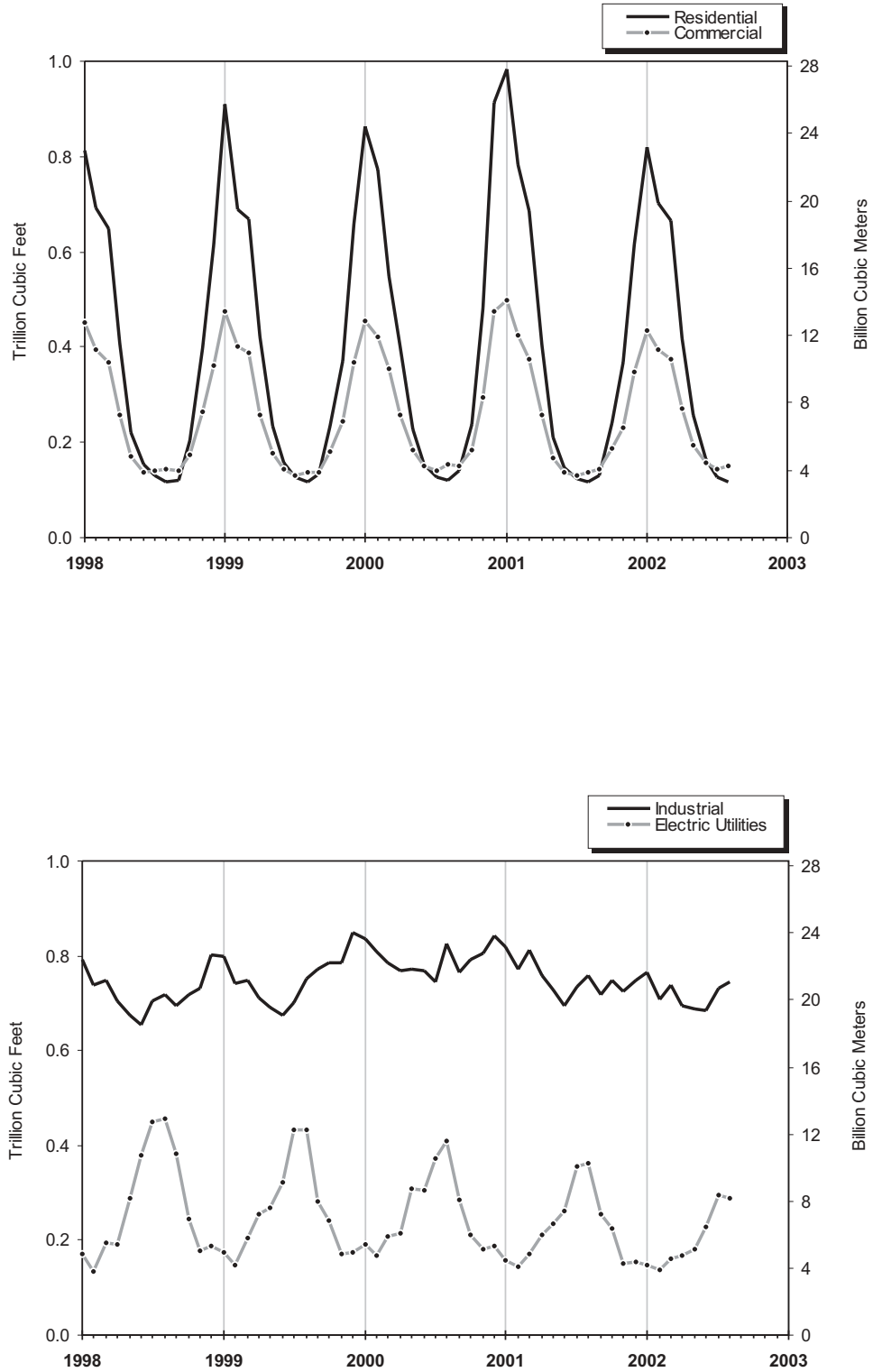
<sup>E</sup> Estimated Data.

<sup>RE</sup> Revised Estimated Data.

**Notes:** Data for 1996 through 2000 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Totals may not equal sum of components because of independent rounding. Beginning in 1996, consumption of natural gas for agricultural use was classified as industrial use. See Explanatory Note 5 for further explanation.

**Sources:** 1996-2000: Energy Information Administration (EIA): Form EIA-895 "Monthly Quantity and Value of Natural Gas Report," Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form EIA-759, "Monthly Power Plant Report," EIA computations, and *Natural Gas Annual 2000*. January 2001 through the current month: EIA: Form EIA-895, Form EIA-857, and Form EIA-759. See Appendix A, Explanatory Note 5, for computation procedures and revision policy.

Figure 2. Natural Gas Deliveries to Consumers in the United States, 1998-2002



Source: Table 3.

**Table 4. Selected National Average Natural Gas Prices, 1996-2002**

(Dollars per Thousand Cubic Feet)

Year and Month	Wellhead Price <sup>a</sup>	City Gate Price	Delivered to Consumers					Electric Utilities Price
			Residential Price	Commercial		Industrial		
				Price	% of Total <sup>b</sup>	Price	% of Total <sup>b</sup>	
1996 Annual Average .....	2.17	3.34	6.34	5.40	77.6	3.42	19.4	2.69
1997 Annual Average .....	2.32	3.66	6.94	5.80	70.8	3.59	18.1	2.78
1998 Annual Average .....	1.96	3.07	6.82	5.48	67.0	3.14	16.1	2.40
1999 Annual Average .....	2.19	3.10	6.69	5.33	66.2	3.10	17.5	2.62
2000								
January .....	2.60	3.27	6.37	5.78	66.5	3.41	18.7	2.74
February .....	2.73	3.48	6.54	5.96	67.4	3.68	19.4	2.96
March .....	2.66	3.54	6.91	5.78	62.4	3.54	18.2	3.00
April .....	2.86	3.72	7.19	6.04	61.2	3.59	18.0	3.23
May .....	3.04	4.15	8.26	5.98	59.6	3.67	17.0	3.63
June .....	3.77	5.19	9.50	6.49	56.5	4.24	18.1	4.45
July .....	3.84	5.20	10.33	6.56	55.5	4.55	17.6	4.35
August .....	3.73	4.63	10.37	6.09	57.7	4.33	17.1	4.27
September .....	4.26	5.21	10.10	6.93	56.0	4.88	16.5	4.85
October .....	4.58	5.66	9.44	7.49	58.5	5.45	16.6	5.17
November .....	4.40	5.20	8.58	7.57	63.0	5.39	19.8	5.37
December .....	5.77	6.64	8.56	8.20	67.5	6.67	20.4	8.23
Annual Average .....	3.69	4.62	7.76	6.59	62.9	4.48	18.1	4.38
2001								
January .....	<sup>E</sup> 8.06	8.94	10.14	9.54	71.9	8.60	18.0	9.47
February .....	<sup>E</sup> 5.84	7.10	10.28	9.80	70.6	7.17	17.4	6.85
March .....	<sup>E</sup> 5.15	6.15	9.88	9.14	68.3	6.21	16.9	5.69
April .....	<sup>E</sup> 5.21	6.39	10.17	9.01	65.5	6.02	16.2	5.70
May .....	<sup>E</sup> 4.56	5.87	11.11	9.21	59.6	5.32	15.0	5.15
June .....	<sup>E</sup> 3.88	5.37	11.49	8.54	58.3	4.66	14.6	4.35
July .....	<sup>E</sup> 3.39	4.32	11.08	7.92	53.2	4.08	15.5	3.84
August .....	<sup>E</sup> 3.23	4.28	10.75	7.31	53.6	3.98	15.0	3.73
September .....	<sup>E</sup> 2.55	3.66	10.12	6.92	52.6	3.52	15.7	3.15
October .....	<sup>E</sup> 2.40	3.32	8.22	6.38	59.1	3.24	15.6	2.79
November .....	<sup>E</sup> 2.74	3.98	7.97	6.91	63.8	3.93	16.3	3.31
December .....	<sup>E</sup> 2.38	3.93	7.32	6.45	67.1	3.63	16.8	3.11
Annual Average .....	<sup>E</sup> 4.12	5.77	9.63	8.45	65.0	5.16	16.1	4.51
2002								
January .....	<sup>E</sup> 2.35	4.03	7.23	6.55	66.8	3.93	17.1	3.39
February .....	<sup>E</sup> 2.14	3.78	7.19	6.51	65.6	3.64	17.1	3.10
March .....	<sup>E</sup> 2.52	3.78	6.95	6.29	65.6	3.75	<sup>R</sup> 17.2	3.40
April .....	<sup>E</sup> 3.02	4.09	7.55	6.62	60.3	3.61	22.5	3.85
May .....	<sup>E</sup> 3.01	4.02	8.41	6.76	57.0	4.01	19.7	3.73
June .....	<sup>E</sup> 2.94	4.14	9.42	6.90	52.5	3.88	<sup>R</sup> 20.3	NA
July .....	<sup>E</sup> 2.89	3.90	9.99	6.96	47.8	3.77	<sup>R</sup> 18.6	NA
August .....	<sup>E</sup> 2.77	3.59	10.23	6.91	46.9	3.68	18.8	NA
2002 YTD <sup>c</sup> .....	<sup>E</sup> 2.71	3.91	7.62	6.58	60.9	3.78	18.9	NA
2001 YTD <sup>c</sup> .....	<sup>E</sup> 4.92	6.70	10.29	9.18	66.1	5.92	16.1	5.42
2000 YTD <sup>c</sup> .....	3.15	3.87	7.20	5.98	62.7	3.86	18.0	3.64

<sup>a</sup> See Appendix A, Explanatory Note 8, for discussion of wellhead prices.

<sup>b</sup> Percentage of total deliveries represented by onsystem sales, see Figure 6. See Table 25 for State data.

<sup>c</sup> Year-to-date price represents months for which price information is available in the current year. The electric utility year-to-date price is 3 months behind the wellhead, city gate, residential, commercial, and industrial year-to-date prices.

<sup>R</sup> Revised Data.

<sup>E</sup> Estimated Data.

NA Not Available.

**Notes:** Data for 1996 through 2000 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. In 1996, consumption of natural gas for agricultural use was classified as industrial use. See Appendix A, Explanatory Note 5 for further explanation.

**Sources:** 1996-2000: Energy Information Administration (EIA) *Natural Gas Annual 2000*. January 2001 through current month: EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers," Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and EIA estimates.

Figure 3. Average Price of Natural Gas Delivered to Consumers in the U.S., 1998-2002

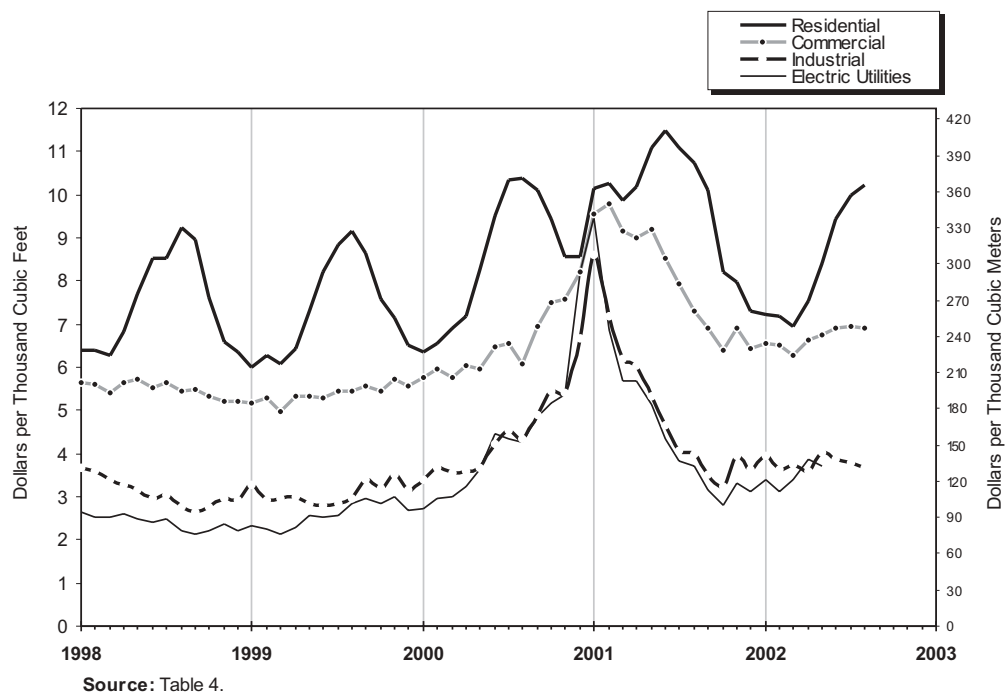
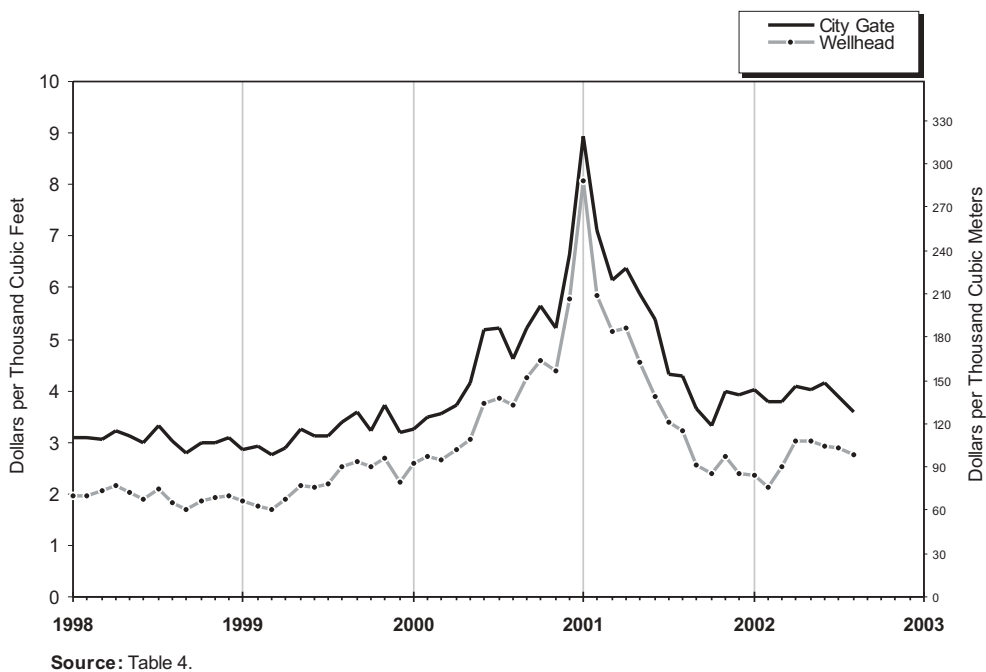


Figure 4. Average Price of Natural Gas in the United States, 1998-2002



**Table 5. U.S. Natural Gas Imports, by Country, 1996-2002**

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Year and Month	Pipeline				LNG					
	Canada		Mexico		Algeria		Australia		Nigeria	
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price
<b>1996 Total</b> .....	<b>2,883,277</b>	<b>1.96</b>	<b>13,862</b>	<b>2.25</b>	<b>35,325</b>	<b>2.70</b>	<b>0</b>	<b>—</b>	<b>0</b>	<b>—</b>
<b>1997 Total</b> .....	<b>2,899,152</b>	<b>2.15</b>	<b>17,243</b>	<b>2.31</b>	<b>65,675</b>	<b>2.67</b>	<b>9,686</b>	<b>2.92</b>	<b>0</b>	<b>—</b>
<b>1998 Total</b> .....	<b>3,052,073</b>	<b>1.95</b>	<b>14,532</b>	<b>2.03</b>	<b>68,567</b>	<b>2.51</b>	<b>11,634</b>	<b>3.30</b>	<b>0</b>	<b>—</b>
<b>1999 Total</b> .....	<b>3,367,545</b>	<b>2.23</b>	<b>54,530</b>	<b>2.14</b>	<b>75,763</b>	<b>2.41</b>	<b>11,904</b>	<b>2.70</b>	<b>0</b>	<b>—</b>
<b>2000</b>										
January .....	310,181	2.42	2,911	2.30	5,026	2.61	0	—	0	—
February .....	289,222	2.57	730	2.50	4,987	3.76	0	—	0	—
March .....	291,469	2.60	316	2.60	3,990	2.49	0	—	0	—
April .....	273,881	2.85	756	2.97	2,566	2.72	2,274	3.21	0	—
May .....	274,616	3.05	0	—	2,453	3.13	0	—	0	—
June .....	278,529	3.89	0	—	2,529	3.53	0	—	2,488	4.14
July .....	293,353	3.99	27	4.01	2,562	3.40	2,285	3.26	2,496	4.86
August .....	295,355	3.65	10	4.64	2,370	3.87	0	—	2,510	3.56
September .....	282,921	4.19	209	5.00	2,556	4.11	1,270	3.28	2,658	3.52
October .....	296,022	5.27	1,115	5.17	7,570	3.46	0	—	2,503	5.80
November .....	309,337	4.94	1,231	5.61	2,552	3.98	116	3.44	0	—
December .....	349,079	7.47	4,297	8.73	7,786	4.29	0	—	0	—
<b>Total</b> .....	<b>3,543,966</b>	<b>3.97</b>	<b>11,601</b>	<b>5.43</b>	<b>46,947</b>	<b>3.48</b>	<b>5,945</b>	<b>3.25</b>	<b>12,654</b>	<b>4.37</b>
<b>2001</b>										
January .....	353,515	9.63	2,416	7.98	5,020	4.05	0	—	2,478	10.79
February .....	306,961	6.49	1,139	5.45	7,658	5.52	0	—	5,068	6.25
March .....	335,175	5.42	1,482	4.89	7,606	5.87	0	—	2,535	9.05
April .....	296,754	5.40	2,102	5.11	5,009	3.88	0	—	4,822	5.42
May .....	301,938	5.01	157	4.44	7,572	3.58	0	—	5,067	5.43
June .....	297,497	3.92	0	—	3,943	2.71	0	—	7,547	4.92
July .....	341,932	3.12	0	—	7,754	3.14	1,187	3.79	2,888	5.09
August .....	336,466	3.11	0	—	5,058	2.73	1,207	3.92	2,606	2.99
September .....	295,061	2.58	0	—	5,087	2.76	0	—	4,955	3.30
October .....	316,637	2.14	0	—	2,491	2.48	0	—	0	—
November .....	285,244	2.96	160	2.04	2,510	2.25	0	—	0	—
December .....	295,445	2.67	2,821	2.44	5,237	2.68	0	—	0	—
<b>Total</b> .....	<b>3,762,624</b>	<b>4.43</b>	<b>10,276</b>	<b>5.00</b>	<b>64,945</b>	<b>3.73</b>	<b>2,394</b>	<b>3.86</b>	<b>37,966</b>	<b>5.56</b>
<b>2002</b>										
January .....	339,860	2.70	956	2.58	2,726	3.77	0	—	0	—
February .....	302,111	2.29	798	2.09	0	—	0	—	0	—
March .....	328,138	2.61	0	—	0	—	0	—	0	—
April .....	301,446	3.28	0	—	1,912	3.18	0	—	0	—
May .....	298,999	3.24	0	—	7,344	3.43	0	—	0	—
June .....	297,117	3.06	0	—	4,665	3.60	0	—	0	—
July .....	309,843	NA	<sup>R</sup> 724	NA	<sup>R</sup> 1,912	NA	0	—	0	—
August .....	<sup>R</sup> 325,663	NA	<sup>R</sup> 1,120	NA	0	—	0	—	2,720	NA
September .....	<sup>E</sup> 309,359	NA	1,123	NA	0	—	0	—	0	—
<b>2002 YTD</b> .....	<sup>E</sup> <b>2,812,538</b>	<b>NA</b>	<b>4,722</b>	<b>NA</b>	<b>18,559</b>	<b>NA</b>	<b>0</b>	<b>—</b>	<b>2,720</b>	<b>NA</b>
<b>2001 YTD</b> .....	<b>2,865,299</b>	<b>5.01</b>	<b>7,295</b>	<b>6.05</b>	<b>54,707</b>	<b>3.96</b>	<b>2,394</b>	<b>3.86</b>	<b>37,966</b>	<b>5.56</b>
<b>2000 YTD</b> .....	<b>2,589,528</b>	<b>3.24</b>	<b>4,958</b>	<b>2.58</b>	<b>29,039</b>	<b>3.23</b>	<b>5,829</b>	<b>3.24</b>	<b>10,151</b>	<b>4.01</b>

See footnotes at end of table.

**Table 5. U.S. Natural Gas Imports, by Country, 1996-2002**

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet) — Continued

Year and Month	LNG								Total	
	Qatar		Trinidad		United Arab Emirates		Other		Volume	Average Price
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price		
<b>1996 Total</b> .....	0	—	0	—	4,949	3.46	0	—	2,937,413	1.97
<b>1997 Total</b> .....	0	—	0	—	2,417	3.74	0	—	2,994,173	2.17
<b>1998 Total</b> .....	0	—	0	—	5,252	2.63	0	—	3,152,058	1.97
<b>1999 Total</b> .....	19,697	2.71	50,777	2.39	2,713	3.03	<sup>a</sup> 2,576	2.36	3,585,505	2.24
<b>2000</b>										
January .....	0	—	7,780	3.01	0	—	0	—	325,897	2.44
February .....	0	—	5,168	2.91	0	—	0	—	300,107	2.60
March .....	2,428	2.79	8,393	2.89	0	—	0	—	306,596	2.61
April .....	7,254	2.71	7,285	3.05	0	—	0	—	294,016	2.86
May .....	0	—	10,723	3.05	0	—	0	—	287,793	3.05
June .....	2,385	2.76	7,390	3.48	2,725	3.53	0	—	296,046	3.87
July .....	4,793	3.97	14,307	3.30	0	—	<sup>b</sup> 2,464	2.86	322,285	3.94
August .....	7,167	3.15	8,435	3.30	0	—	<sup>b</sup> 2,461	2.86	318,308	3.62
September .....	7,625	3.97	4,864	2.98	0	—	<sup>b</sup> 2,740	4.20	304,843	4.15
October .....	7,165	4.14	7,392	3.65	0	—	<sup>c</sup> 2,760	3.99	324,527	5.16
November .....	7,241	3.32	6,950	3.85	0	—	<sup>b</sup> 2,333	3.44	329,759	4.86
December .....	0	—	10,262	5.14	0	—	0	—	371,425	7.35
<b>Total</b> .....	<b>46,057</b>	<b>3.44</b>	<b>98,949</b>	<b>3.43</b>	<b>2,725</b>	<b>3.53</b>	<b>12,758</b>	<b>3.50</b>	<b>3,781,603</b>	<b>3.95</b>
<b>2001</b>										
January .....	0	—	10,707	7.04	0	—	0	—	374,136	9.48
February .....	0	—	6,635	4.78	0	—	<sup>b</sup> 2,738	8.70	330,199	6.44
March .....	2,400	3.17	10,704	4.74	0	—	0	—	359,902	5.42
April .....	2,452	6.60	8,028	4.26	0	—	<sup>b</sup> 1,702	4.65	320,869	5.35
May .....	4,975	4.47	9,530	4.15	0	—	0	—	329,238	4.95
June .....	3,076	5.82	10,407	3.77	0	—	<sup>b</sup> 1,616	3.99	324,087	3.94
July .....	4,934	3.97	6,701	3.95	0	—	<sup>b</sup> 1,635	4.65	367,031	3.17
August .....	0	—	7,519	3.60	0	—	<sup>b</sup> 2,728	4.99	355,584	3.13
September .....	4,919	3.24	5,230	3.68	0	—	<sup>b</sup> 1,635	4.65	316,888	2.63
October .....	0	—	9,234	2.17	0	—	0	—	328,362	2.14
November .....	0	—	5,340	3.19	0	—	0	—	293,253	2.96
December .....	0	—	7,975	3.12	0	—	0	—	311,478	2.68
<b>Total</b> .....	<b>22,758</b>	<b>4.37</b>	<b>98,009</b>	<b>4.14</b>	<b>0</b>	<b>—</b>	<b>12,055</b>	<b>5.56</b>	<b>4,011,027</b>	<b>4.43</b>
<b>2002</b>										
January .....	0	—	5,318	3.71	0	—	0	—	348,860	2.72
February .....	0	—	7,571	3.00	0	—	0	—	310,480	2.31
March .....	0	—	10,151	2.68	0	—	0	—	338,290	2.61
April .....	5,030	3.03	10,271	3.09	0	—	0	—	318,660	3.27
May .....	5,612	3.45	10,312	3.23	0	—	<sup>a,d</sup> 4,824	3.13	327,092	3.25
June .....	13,903	3.43	7,256	3.18	0	—	0	—	322,942	3.09
July .....	<sup>R</sup> 5,375	NA	<sup>R</sup> 11,360	NA	0	—	0	—	<sup>R</sup> 329,214	NA
August .....	<sup>R</sup> 2,644	NA	<sup>R</sup> 15,795	NA	0	—	<sup>Rb</sup> 3,013	NA	<sup>R</sup> 350,956	NA
September .....	2,517	NA	14,369	NA	0	—	0	—	<sup>E</sup> 327,369	NA
<b>2002 YTD</b> .....	<b>35,081</b>	<b>NA</b>	<b>92,403</b>	<b>NA</b>	<b>0</b>	<b>—</b>	<b>7,838</b>	<b>NA</b>	<b><sup>E</sup>2,973,862</b>	<b>NA</b>
<b>2001 YTD</b> .....	<b>22,758</b>	<b>4.37</b>	<b>75,460</b>	<b>4.55</b>	<b>0</b>	<b>—</b>	<b>12,055</b>	<b>5.56</b>	<b>3,077,934</b>	<b>4.99</b>
<b>2000 YTD</b> .....	<b>31,651</b>	<b>3.31</b>	<b>74,345</b>	<b>3.13</b>	<b>2,725</b>	<b>3.53</b>	<b>7,665</b>	<b>3.34</b>	<b>2,755,891</b>	<b>3.24</b>

<sup>a</sup> Received from Malaysia.<sup>b</sup> Received from Oman.<sup>c</sup> Received from Indonesia.<sup>d</sup> Received from Brunei.<sup>R</sup> Revised Data.<sup>E</sup> Estimated Data.

NA Not Available.

— Not Applicable.

**Sources:** January 1996 through the current month (except estimates): Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Imports and Exports". Estimated pipeline data are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.



**Table 6. U.S. Natural Gas Exports, by Country, 1996-2002**

(Volumes in Million Cubic Feet, Prices in Dollars per Thousand Cubic Feet)

Year and Month	Pipeline				LNG				Total	
	Canada		Mexico		Japan		Mexico		Volume	Average Price
	Volume	Average Price	Volume	Average Price	Volume	Average Price	Volume	Average Price		
<b>1996 Total</b> .....	<b>51,905</b>	<b>2.67</b>	<b>33,840</b>	<b>2.11</b>	<b>67,648</b>	<b>3.65</b>	<b>0</b>	<b>—</b>	<b>153,393</b>	<b>2.97</b>
<b>1997 Total</b> .....	<b>56,447</b>	<b>2.52</b>	<b>38,372</b>	<b>2.46</b>	<b>62,187</b>	<b>3.83</b>	<b>0</b>	<b>—</b>	<b>157,006</b>	<b>3.02</b>
<b>1998 Total</b> .....	<b>39,891</b>	<b>2.25</b>	<b>53,133</b>	<b>2.04</b>	<b>65,951</b>	<b>2.91</b>	<b>33</b>	<b>5.69</b>	<b>159,007</b>	<b>2.45</b>
<b>1999 Total</b> .....	<b>38,508</b>	<b>2.35</b>	<b>61,025</b>	<b>2.27</b>	<b>63,607</b>	<b>3.08</b>	<b>275</b>	<b>6.95</b>	<b>163,415</b>	<b>2.61</b>
<b>2000</b>										
January .....	6,234	2.50	5,937	2.39	5,569	4.04	36	5.82	17,776	2.95
February .....	9,017	2.70	6,394	2.62	5,566	4.08	37	5.82	21,015	3.05
March .....	9,051	2.74	7,641	2.70	3,769	4.18	45	5.82	20,505	3.00
April .....	3,093	2.86	8,222	2.94	5,670	4.25	30	5.82	17,015	3.37
May .....	3,732	3.15	10,338	3.23	5,709	4.27	31	5.82	19,810	3.52
June .....	3,742	4.11	8,714	4.30	3,763	4.34	30	5.82	16,249	4.27
July .....	3,762	4.37	10,157	4.52	5,597	4.36	29	5.82	19,546	4.45
August .....	3,900	3.90	11,248	4.16	5,598	4.22	29	5.82	20,775	4.13
September .....	4,682	4.76	10,265	5.07	5,592	4.37	28	5.82	20,568	4.81
October .....	5,327	5.26	10,197	5.31	7,512	4.51	35	5.82	23,070	5.04
November .....	9,877	3.97	9,154	4.78	5,686	4.49	51	5.82	24,767	4.39
December .....	10,169	4.32	6,834	8.57	5,579	4.51	38	5.82	22,621	5.65
<b>Total</b> .....	<b>72,586</b>	<b>3.66</b>	<b>105,102</b>	<b>4.26</b>	<b>65,610</b>	<b>4.31</b>	<b>418</b>	<b>5.82</b>	<b>243,716</b>	<b>4.10</b>
<b>2001</b>										
January .....	11,818	6.84	8,111	10.34	5,571	4.68	47	5.82	25,547	7.48
February .....	15,379	5.41	8,009	7.06	3,714	4.73	42	5.82	27,144	5.80
March .....	19,691	4.52	7,110	6.22	5,569	4.70	42	5.82	32,412	4.93
April .....	12,683	5.67	5,326	7.10	5,594	4.25	34	5.82	23,637	5.66
May .....	13,328	5.00	9,940	6.88	5,677	4.22	35	5.82	28,981	5.49
June .....	9,568	4.05	11,183	5.27	3,780	4.28	23	5.82	24,554	4.64
July .....	10,449	3.38	14,939	3.53	5,665	4.27	32	5.82	31,086	3.62
August .....	7,567	3.19	15,531	3.31	5,684	4.29	33	5.82	28,814	3.47
September .....	10,030	2.46	17,610	2.45	5,676	4.39	35	5.82	33,350	2.79
October .....	10,907	2.22	15,920	2.29	7,576	4.41	49	5.82	34,452	2.74
November .....	15,819	3.12	15,489	2.98	5,644	4.29	47	5.82	37,000	3.24
December .....	20,224	2.51	10,751	2.55	5,602	4.29	46	5.82	36,624	2.80
<b>Total</b> .....	<b>157,462</b>	<b>4.06</b>	<b>139,920</b>	<b>4.34</b>	<b>65,753</b>	<b>4.39</b>	<b>465</b>	<b>5.82</b>	<b>363,600</b>	<b>4.23</b>
<b>2002</b>										
January .....	16,274	2.61	12,562	2.66	5,605	4.26	51	5.82	34,491	2.90
February .....	15,822	2.15	10,770	2.25	3,755	4.02	37	5.82	30,383	2.42
March .....	14,270	2.43	18,213	2.70	5,619	3.73	39	5.82	38,141	2.75
April .....	12,619	3.28	19,122	3.52	7,427	3.67	26	5.82	39,194	3.47
May .....	14,777	3.33	22,799	3.27	1,853	3.76	30	5.82	39,459	3.32
June .....	15,618	3.27	24,948	3.14	5,586	3.84	25	5.82	46,178	3.27
July .....	14,657	NA	24,948	NA	5,588	NA	NA	NA	45,193	NA
August .....	<sup>R</sup> 16,016	NA	24,948	NA	5,637	NA	NA	NA	<sup>RE</sup> 46,601	NA
September .....	<sup>E</sup> 17,958	NA	24,948	NA	5,583	NA	NA	NA	<sup>E</sup> 48,490	NA
<b>2002 YTD</b> .....	<sup>E</sup> <b>138,010</b>	<b>NA</b>	<sup>E</sup> <b>183,259</b>	<b>NA</b>	<b>46,653</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<sup>E</sup> <b>368,130</b>	<b>NA</b>
<b>2001 YTD</b> .....	<b>110,512</b>	<b>4.66</b>	<b>97,759</b>	<b>5.08</b>	<b>46,930</b>	<b>4.42</b>	<b>323</b>	<b>5.82</b>	<b>255,525</b>	<b>4.78</b>
<b>2000 YTD</b> .....	<b>47,214</b>	<b>3.28</b>	<b>78,916</b>	<b>3.69</b>	<b>46,832</b>	<b>4.23</b>	<b>296</b>	<b>5.82</b>	<b>173,258</b>	<b>3.73</b>

<sup>R</sup> Revised Data.  
<sup>E</sup> Estimated Data.  
<sup>RE</sup> Revised Estimated Data.  
<sup>NA</sup> Not Available.  
 — Not Applicable.

**Sources:** January 1996 through the current month (except estimates): Office of Fossil Energy, U.S. Department of Energy, "Natural Gas Imports and Exports". Estimated pipeline data are taken from data from the National Energy Board of Canada plus EIA estimates. LNG data: Industry reports.

**Table 7. Marketed Production of Natural Gas, by State, 1996-2002**  
(Million Cubic Feet)

**Table 7**

Year and Month	Alabama <sup>b</sup>	Alaska	Arizona	California	Colorado	Florida	Kansas
<b>1996 Total</b> .....	<b>530,841</b>	<b>480,828</b>	<b>463</b>	<b>286,494</b>	<b>572,071</b>	<b>6,006</b>	<b>712,796</b>
<b>1997 Total</b> .....	<b>583,272</b>	<b>468,311</b>	<b>452</b>	<b>285,690</b>	<b>637,375</b>	<b>6,114</b>	<b>687,215</b>
<b>1998 Total</b> .....	<b>562,714</b>	<b>466,648</b>	<b>457</b>	<b>315,277</b>	<b>696,321</b>	<b>5,796</b>	<b>603,586</b>
<b>1999 Total</b> .....	<b>545,464</b>	<b>462,967</b>	<b>474</b>	<b>382,715</b>	<b>722,738</b>	<b>5,933</b>	<b>553,419</b>
<b>2000</b>							
January .....	46,526	42,242	37	31,663	65,091	564	49,597
February .....	44,084	38,430	26	27,675	60,155	547	41,606
March .....	43,869	42,505	27	29,706	64,390	653	44,924
April .....	43,318	37,290	28	28,970	61,056	595	43,591
May .....	44,231	33,531	31	30,981	65,137	575	43,837
June .....	43,196	35,890	32	30,558	59,184	474	44,129
July .....	43,985	35,559	32	32,823	62,541	544	43,938
August .....	43,790	35,910	33	33,111	64,332	533	43,603
September .....	40,731	37,148	33	32,377	62,304	550	42,078
October .....	42,755	39,354	33	33,723	63,606	472	43,078
November .....	42,511	38,897	32	32,540	63,005	465	41,891
December .....	43,614	42,239	24	32,454	62,182	519	43,457
<b>Total</b> .....	<b>522,610</b>	<b>458,995</b>	<b>368</b>	<b>376,580</b>	<b>752,985</b>	<b>6,491</b>	<b>525,729</b>
<b>2001</b>							
January .....	30,460	42,459	31	32,450	<sup>E</sup> 62,027	454	41,780
February .....	27,096	38,318	28	29,821	<sup>E</sup> 59,310	397	36,909
March .....	29,918	42,727	31	32,074	<sup>E</sup> 61,791	436	40,535
April .....	28,864	39,572	32	30,325	<sup>E</sup> 59,791	499	39,420
May .....	29,742	35,882	28	32,404	<sup>E</sup> 62,480	440	39,967
June .....	28,993	34,653	25	31,753	<sup>E</sup> 58,715	473	38,721
July .....	30,616	37,163	26	31,644	<sup>E</sup> 61,195	553	40,646
August .....	30,999	37,228	24	31,826	<sup>E</sup> 62,205	531	39,335
September .....	30,102	36,172	22	30,562	<sup>E</sup> 60,192	489	37,483
October .....	30,194	39,306	20	31,516	<sup>E</sup> 63,033	701	38,286
November .....	29,379	43,007	15	29,973	<sup>E</sup> 61,942	382	37,123
December .....	30,446	45,344	25	31,507	<sup>E</sup> 63,617	353	38,451
<b>Total</b> .....	<b>356,811</b>	<b>471,831</b>	<b>307</b>	<b>375,856</b>	<sup>E</sup> <b>736,299</b>	<b>5,706</b>	<b>468,658</b>
<b>2002</b>							
January .....	29,630	42,257	26	30,928	<sup>E</sup> 63,426	342	39,644
February .....	27,082	38,966	23	28,337	<sup>E</sup> 61,342	256	35,325
March .....	29,188	41,993	26	31,562	<sup>E</sup> 62,671	386	38,902
April .....	28,529	40,086	23	29,413	<sup>E</sup> 60,368	291	38,190
May .....	28,868	35,924	23	30,596	<sup>E</sup> 63,885	296	39,173
June .....	28,600	37,109	24	30,261	<sup>E</sup> 59,540	287	38,427
July .....	29,706	36,269	29	30,268	<sup>E</sup> 62,125	266	<sup>E</sup> 38,893
<b>2002 YTD</b> .....	<b>201,602</b>	<b>272,603</b>	<b>175</b>	<b>211,365</b>	<sup>E</sup> <b>433,358</b>	<b>2,123</b>	<sup>E</sup> <b>268,554</b>
<b>2001 YTD</b> .....	<b>205,689</b>	<b>270,774</b>	<b>202</b>	<b>220,472</b>	<sup>E</sup> <b>425,309</b>	<b>3,251</b>	<b>277,979</b>
<b>2000 YTD</b> .....	<b>309,210</b>	<b>265,447</b>	<b>213</b>	<b>212,375</b>	<b>437,554</b>	<b>3,952</b>	<b>311,621</b>

See footnotes at end of table.

**Table 7. Marketed Production of Natural Gas, by State, 1996-2002**

(Million Cubic Feet) — Continued

Year and Month	Louisiana <sup>b</sup>	Michigan	Mississippi	Montana	New Mexico	North Dakota	Oklahoma
<b>1996 Total</b> .....	<b>5,289,742</b>	<b>245,740</b>	<b>103,263</b>	<b>50,996</b>	<b>1,554,087</b>	<b>49,674</b>	<b>1,734,887</b>
<b>1997 Total</b> .....	<b>5,229,821</b>	<b>305,950</b>	<b>107,300</b>	<b>52,437</b>	<b>1,558,633</b>	<b>52,401</b>	<b>1,703,888</b>
<b>1998 Total</b> .....	<b>5,277,188</b>	<b>278,076</b>	<b>108,068</b>	<b>57,645</b>	<b>1,501,098</b>	<b>53,185</b>	<b>1,669,367</b>
<b>1999 Total</b> .....	<b>5,275,730</b>	<b>277,364</b>	<b>111,021</b>	<b>61,163</b>	<b>1,511,671</b>	<b>52,862</b>	<b>1,594,002</b>
<b>2000</b>							
January .....	421,366	22,586	8,241	6,003	145,404	4,585	140,183
February .....	392,889	15,849	5,386	5,480	137,819	4,116	125,741
March .....	429,630	33,893	7,350	6,016	147,050	4,291	140,811
April .....	415,525	12,551	6,785	5,614	137,212	4,278	132,697
May .....	428,197	26,709	7,527	5,809	143,431	4,543	136,652
June .....	413,358	17,328	6,938	5,369	136,470	4,322	136,693
July .....	431,309	30,404	7,347	5,888	141,810	4,505	138,946
August .....	434,049	33,002	7,571	5,833	139,961	4,320	139,930
September .....	421,580	24,743	7,227	5,723	139,149	4,329	132,330
October .....	435,279	38,453	7,958	6,039	141,187	4,490	145,745
November .....	417,355	25,882	7,693	5,741	136,170	4,178	119,411
December .....	428,327	15,156	8,535	6,422	141,754	4,469	123,749
<b>Total</b> .....	<b>5,068,863</b>	<b>296,556</b>	<b>88,558</b>	<b>69,936</b>	<b>1,687,416</b>	<b>52,426</b>	<b>1,612,890</b>
<b>2001</b>							
January .....	467,724	27,354	8,958	6,555	138,892	4,537	<sup>E</sup> 141,360
February .....	428,810	13,735	7,749	5,906	126,673	4,019	<sup>E</sup> 129,640
March .....	474,754	29,621	8,398	6,364	137,458	4,548	<sup>E</sup> 143,530
April .....	459,439	20,195	9,892	6,215	132,246	4,564	<sup>E</sup> 138,900
May .....	474,308	35,791	10,332	6,273	126,566	4,569	<sup>E</sup> 143,395
June .....	446,847	17,942	8,440	6,036	<sup>E</sup> 120,771	4,349	<sup>E</sup> 138,768
July .....	462,219	20,115	9,313	6,452	<sup>E</sup> 125,274	4,649	<sup>E</sup> 143,395
August .....	455,170	26,818	9,494	6,308	<sup>E</sup> 126,287	4,753	<sup>E</sup> 142,600
September .....	442,183	14,571	8,341	6,502	<sup>E</sup> 122,513	4,502	<sup>E</sup> 137,328
October .....	455,288	29,294	9,074	7,031	<sup>E</sup> 126,806	4,574	<sup>E</sup> 141,906
November .....	436,901	24,190	8,353	7,193	<sup>E</sup> 120,164	4,596	<sup>E</sup> 136,641
December .....	452,820	31,547	9,196	7,122	<sup>E</sup> 118,092	4,771	<sup>E</sup> 141,619
<b>Total</b> .....	<b>5,456,463</b>	<b>291,172</b>	<b>107,540</b>	<b>77,958</b>	<b><sup>E</sup>1,521,742</b>	<b>54,432</b>	<b><sup>E</sup>1,679,082</b>
<b>2002</b>							
January .....	461,646	34,593	9,510	7,569	137,980	4,763	<sup>E</sup> 135,659
February .....	417,237	13,357	8,688	6,715	124,271	4,263	<sup>E</sup> 123,144
March .....	466,389	31,113	9,016	7,131	137,618	4,712	<sup>E</sup> 137,542
April .....	450,802	17,564	8,706	6,993	<sup>R</sup> 129,207	4,617	<sup>E</sup> 132,944
May .....	466,005	29,128	9,321	<sup>R</sup> 6,969	<sup>R</sup> 133,492	4,910	<sup>E</sup> 137,734
June .....	450,972	<sup>R</sup> 17,707	9,065	<sup>R</sup> 6,641	<sup>RE</sup> 125,700	4,628	<sup>E</sup> 134,508
July .....	472,699	34,483	9,067	6,746	134,156	4,766	<sup>E</sup> 137,627
<b>2002 YTD</b> .....	<b>3,185,750</b>	<b>177,945</b>	<b>63,374</b>	<b>48,763</b>	<b><sup>E</sup>922,425</b>	<b>32,659</b>	<b><sup>E</sup>939,158</b>
<b>2001 YTD</b> .....	<b>3,214,101</b>	<b>164,753</b>	<b>63,082</b>	<b>43,801</b>	<b><sup>E</sup>907,880</b>	<b>31,236</b>	<b><sup>E</sup>978,988</b>
<b>2000 YTD</b> .....	<b>2,932,273</b>	<b>159,320</b>	<b>49,574</b>	<b>40,180</b>	<b>989,196</b>	<b>30,640</b>	<b>951,724</b>

See footnotes at end of table.

**Table 7. Marketed Production of Natural Gas, by State, 1996-2002**

(Million Cubic Feet) — Continued

Year and Month	Oregon	Texas <sup>c</sup>	Utah	Wyoming	Other <sup>a</sup> States	U.S. Total
<b>1996 Total</b> .....	<b>1,439</b>	<b>6,470,620</b>	<b>250,767</b>	<b>666,036</b>	<b>805,491</b>	<b>19,812,241</b>
<b>1997 Total</b> .....	<b>1,173</b>	<b>6,453,873</b>	<b>257,139</b>	<b>738,368</b>	<b>736,679</b>	<b>19,866,093</b>
<b>1998 Total</b> .....	<b>1,067</b>	<b>6,408,444</b>	<b>277,340</b>	<b>903,836</b>	<b>775,235</b>	<b>19,961,348</b>
<b>1999 Total</b> .....	<b>1,291</b>	<b>6,211,613</b>	<b>262,614</b>	<b>971,230</b>	<b>800,579</b>	<b>19,804,848</b>
<b>2000</b>						
January .....	124	522,128	22,008	92,837	79,277	1,700,461
February .....	105	488,863	20,526	84,714	74,653	1,568,663
March .....	107	531,944	21,916	90,043	78,056	1,717,180
April .....	99	507,411	21,255	87,761	76,693	1,622,729
May .....	102	529,617	22,525	90,699	71,637	1,685,770
June .....	94	523,281	21,638	87,579	76,514	1,643,048
July .....	90	531,434	22,772	90,281	72,583	1,696,792
August .....	96	531,705	22,864	90,812	75,554	1,707,010
September .....	97	509,474	22,664	89,472	75,066	1,647,075
October .....	109	526,000	23,374	95,215	78,431	1,725,300
November .....	97	508,353	22,943	91,715	77,322	1,636,200
December .....	93	495,039	24,801	97,201	82,022	1,652,058
<b>Total</b> .....	<b>1,214</b>	<b>6,205,249</b>	<b>269,285</b>	<b>1,088,328</b>	<b>917,808</b>	<b>20,002,287</b>
<b>2001</b>						
January .....	113	539,175	24,309	111,315	<sup>E</sup> 81,856	<sup>E</sup> 1,761,809
February .....	108	485,370	22,368	101,763	<sup>E</sup> 74,185	<sup>E</sup> 1,592,206
March .....	116	536,836	24,876	114,525	<sup>E</sup> 78,145	<sup>E</sup> 1,766,683
April .....	102	523,416	24,381	109,921	<sup>E</sup> 75,056	<sup>E</sup> 1,702,831
May .....	97	539,296	24,261	110,238	<sup>E</sup> 73,630	<sup>E</sup> 1,749,698
June .....	89	521,986	23,502	108,676	<sup>E</sup> 74,129	<sup>E</sup> 1,664,870
July .....	93	539,802	22,972	112,311	<sup>E</sup> 74,298	<sup>E</sup> 1,722,737
August .....	89	534,645	22,826	112,881	<sup>E</sup> 74,290	<sup>E</sup> 1,718,308
September .....	80	518,138	22,649	112,708	<sup>E</sup> 74,379	<sup>E</sup> 1,658,916
October .....	80	541,722	23,854	120,064	<sup>E</sup> 80,015	<sup>E</sup> 1,742,764
November .....	68	519,853	23,854	115,447	<sup>E</sup> 77,028	<sup>E</sup> 1,676,109
December .....	76	535,555	24,578	115,728	<sup>E</sup> 81,857	<sup>E</sup> 1,732,702
<b>Total</b> .....	<b>1,110</b>	<b>6,335,794</b>	<b>284,431</b>	<b>1,345,576</b>	<b><sup>E</sup>918,868</b>	<b><sup>E</sup>20,489,634</b>
<b>2002</b>						
January .....	75	541,077	24,544	117,851	<sup>E</sup> 86,964	<sup>E</sup> 1,768,484
February .....	69	482,212	22,492	109,212	<sup>E</sup> 79,494	<sup>E</sup> 1,582,484
March .....	71	542,218	24,655	118,039	<sup>E</sup> 83,416	<sup>E</sup> 1,766,649
April .....	74	525,296	23,114	115,733	<sup>E</sup> 80,399	<sup>RE</sup> 1,692,350
May .....	73	543,015	23,968	120,648	<sup>E</sup> 78,411	<sup>RE</sup> 1,752,439
June .....	73	533,613	22,596	116,345	<sup>E</sup> 79,803	<sup>RE</sup> 1,695,899
July .....	71	550,575	<sup>E</sup> 22,793	120,006	<sup>E</sup> 78,889	<sup>E</sup> 1,769,435
<b>2002 YTD</b> .....	<b>506</b>	<b>3,718,006</b>	<b><sup>E</sup>164,161</b>	<b>817,834</b>	<b><sup>E</sup>567,376</b>	<b><sup>E</sup>12,027,740</b>
<b>2001 YTD</b> .....	<b>718</b>	<b>3,685,881</b>	<b>166,670</b>	<b>768,749</b>	<b><sup>E</sup>531,299</b>	<b><sup>E</sup>11,960,834</b>
<b>2000 YTD</b> .....	<b>721</b>	<b>3,634,678</b>	<b>152,639</b>	<b>623,914</b>	<b>529,414</b>	<b>11,634,644</b>

<sup>a</sup> Includes Arkansas, Illinois, Indiana, Kentucky, Maryland, Missouri, Nebraska, Nevada, New York, Ohio, Pennsylvania, South Dakota, Tennessee, Virginia, and West Virginia. The 2001 and later data monthly values for these States are estimated.

<sup>b</sup> For Alabama and Louisiana, all data for 1996 through 2000 include Federal Offshore production. For 2001, Alabama data do not include Federal Offshore production, while data for Louisiana include both the Louisiana and Alabama portions of Federal Offshore Production.

<sup>c</sup> Federal offshore production volumes are included.

<sup>R</sup> Revised Data.

<sup>E</sup> Estimated Data.

<sup>RE</sup> Revised Estimated Data.

**Notes:** Data for 1996 through 2000 are final. All other data are preliminary unless otherwise indicated. Totals may not equal sum of components because of independent rounding. See Appendix A, Explanatory Notes 1 and 3 for discussion of computation procedures and revision policy.

**Sources:** 1996-2000: Energy Information Administration (EIA), *Natural Gas Annual 2000*. January 2001 through current month: Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," Minerals Management Service reports, and EIA computations.

**Table 8. Gross Withdrawals and Marketed Production of Natural Gas by State,  
July 2002**  
(Million Cubic Feet)

State	Gross Withdrawals			Repressuring	Nonhydro- carbon Gases Removed <sup>a</sup>	Vented and Flared	Marketed Production
	From Gas Wells	From Oil Wells	Total				
Alabama .....	31,794	489	32,283	838	1,632	107	29,706
Alaska .....	15,858	239,489	255,347	218,410	0	668	36,269
Arizona .....	29	0	29	0	0	0	29
California .....	7,625	25,469	33,094	2,503	217	106	30,268
Colorado .....	<sup>E</sup> 53,956	<sup>E</sup> 8,784	<sup>E</sup> 62,739	<sup>E</sup> 546	0	<sup>E</sup> 68	<sup>E</sup> 62,125
Florida .....	0	300	300	0	34	0	266
Kansas .....	<sup>E</sup> 35,352	<sup>E</sup> 3,647	<sup>E</sup> 38,998	<sup>E</sup> 66	0	<sup>E</sup> 39	<sup>E</sup> 38,893
Louisiana .....	415,972	62,533	478,505	3,753	0	2,053	472,699
Michigan .....	28,065	7,016	35,081	247	0	351	34,483
Mississippi .....	11,749	582	12,332	488	2,509	267	9,067
Montana .....	6,773	0	6,773	0	0	27	6,746
New Mexico .....	118,007	18,251	136,258	1,841	0	260	134,156
North Dakota .....	1,299	3,744	5,044	0	14	264	4,766
Oklahoma .....	<sup>E</sup> 124,419	<sup>E</sup> 13,208	137,627	0	0	0	<sup>E</sup> 137,627
Oregon .....	71	0	71	0	0	0	71
Texas .....	488,173	118,123	606,297	39,236	13,935	2,551	550,575
Utah .....	<sup>E</sup> 20,876	<sup>E</sup> 2,723	<sup>E</sup> 23,600	<sup>E</sup> 31	0	<sup>E</sup> 776	<sup>E</sup> 22,793
Wyoming .....	130,645	14,927	145,572	8,967	15,507	1,092	120,006
Other States .....	<sup>E</sup> 77,122	<sup>E</sup> 2,330	<sup>E</sup> 79,452	0	<sup>E</sup> 434	<sup>E</sup> 129	<sup>E</sup> 78,889
<b>Total .....</b>	<b><sup>E</sup>1,567,785</b>	<b><sup>E</sup>521,616</b>	<b><sup>E</sup>2,089,401</b>	<b><sup>E</sup>276,926</b>	<b><sup>E</sup>34,282</b>	<b><sup>E</sup>8,759</b>	<b><sup>E</sup>1,769,435</b>

<sup>a</sup> See Appendix A, Explanatory Note 1, for a discussion of data on Nonhydrocarbon Gases Removed.

<sup>E</sup> Estimated Data.

**Notes:** All monthly data are considered preliminary until publication of the *Natural Gas Annual* for that year. Totals may not equal sum of components

because of independent rounding. See Appendix A, Explanatory Notes 1 and 3 for discussion of computation procedures and revision policy.

**Source:** Form EIA-895, "Monthly Quantity and Value of Natural Gas Report."

**Table 9. Underground Natural Gas Storage - All Operators, 1996-2002**

(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Underground Storage at End of Period			Change In Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total <sup>b</sup>	Volume	Percent	Injections	Withdrawals	Net Withdrawals <sup>c</sup>
<b>1996 Total<sup>a</sup></b> .....	—	—	—	—	—	<b>2,906</b>	<b>2,911</b>	<b>6</b>
<b>1997 Total<sup>a</sup></b> .....	—	—	—	—	—	<b>2,800</b>	<b>2,824</b>	<b>24</b>
<b>1998 Total<sup>a</sup></b> .....	—	—	—	—	—	<b>2,905</b>	<b>2,379</b>	<b>-526</b>
<b>1999 Total<sup>a</sup></b> .....	—	—	—	—	—	<b>2,598</b>	<b>2,772</b>	<b>174</b>
<b>2000</b>								
January .....	4,379	1,760	6,139	-312	-15.1	59	841	782
February .....	4,378	1,304	5,681	-445	-25.3	83	533	450
March .....	4,364	1,153	5,517	-255	-18.0	139	291	152
April .....	4,362	1,203	5,565	-297	-19.6	192	146	-46
May .....	4,362	1,433	5,795	-404	-21.9	313	82	-231
June .....	4,361	1,717	6,079	-435	-20.1	349	65	-284
July .....	4,362	2,003	6,365	-379	-15.8	372	83	-289
August .....	4,361	2,199	6,560	-414	-15.8	305	109	-196
September .....	4,360	2,494	6,855	-432	-14.7	370	80	-291
October .....	4,360	2,732	7,092	-345	-11.1	329	88	-241
November .....	4,361	2,442	6,803	-628	-20.3	108	396	288
December .....	4,352	1,719	6,071	-806	-31.9	66	785	720
<b>Total</b> .....	—	—	—	—	—	<b>2,684</b>	<b>3,498</b>	<b>814</b>
<b>2001</b>								
January .....	4,344	1,265	5,609	-495	-28.1	93	559	467
February .....	4,328	912	5,241	-391	-30.0	71	409	338
March .....	4,300	742	5,042	-412	-35.7	113	293	181
April .....	4,261	992	5,253	-210	-17.5	345	68	-276
May .....	4,309	1,440	5,749	7	0.5	488	41	-448
June .....	4,310	1,882	6,193	165	9.6	470	48	-422
July .....	4,315	2,261	6,576	258	12.9	441	64	-376
August .....	4,313	2,576	6,889	377	17.1	384	79	-305
September .....	4,318	2,944	7,262	450	18.0	409	41	-368
October .....	4,310	3,144	7,454	412	15.1	281	92	-189
November .....	4,301	3,254	7,555	812	33.2	223	138	-85
December .....	4,301	2,904	7,204	1,185	68.9	80	430	350
<b>Total</b> .....	—	—	—	—	—	<b>3,399</b>	<b>2,264</b>	<b>-1,134</b>
<b>2002</b>								
January .....	4,313	2,344	6,657	1,078	85.2	59	605	546
February .....	4,356	1,838	6,194	925	101.4	55	517	462
March .....	4,355	1,518	5,873	776	104.7	105	425	320
April .....	4,355	1,659	6,014	666	67.1	237	111	-126
May .....	4,361	1,968	6,329	528	36.7	381	58	-323
June .....	4,355	2,308	6,663	426	22.6	395	56	-339
July .....	4,358	2,539	6,896	278	12.3	341	101	-239
August .....	4,357	2,773	7,130	198	7.7	322	89	-234
September .....	4,368	3,057	7,424	112	3.8	364	72	-292

<sup>a</sup> Total as of December 31.<sup>b</sup> Total underground storage capacity at the end of each calendar year (in billion cubic feet): 1996 - 7,980; 1997 - 8,332; 1998 - 8,179; 1999 - 8,229; and 2000 - 8,241.<sup>c</sup> Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.

— Not Applicable.

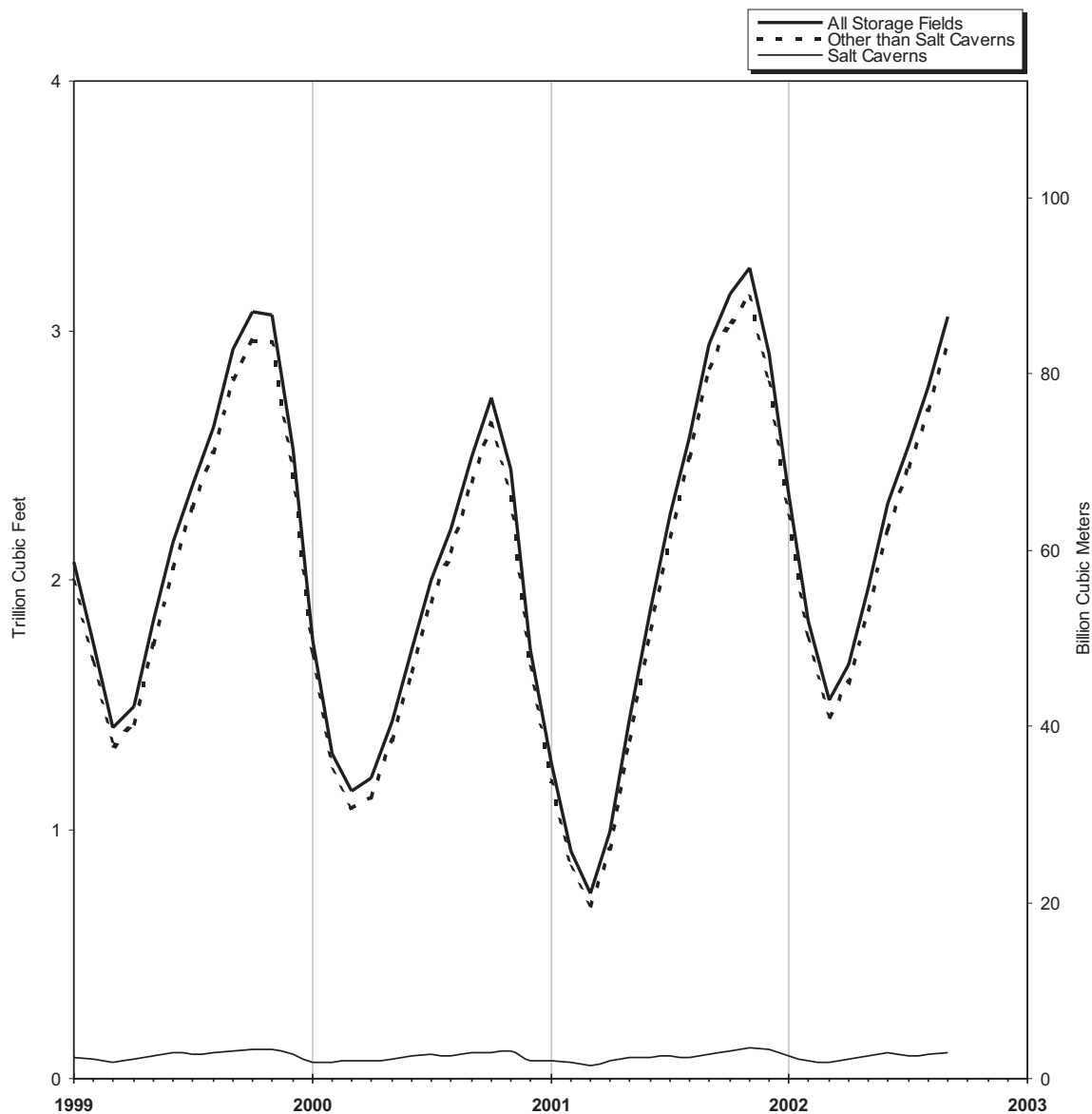
**Notes:** Data for 1996 through 2000 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 for discussion

of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia.

**Sources:** Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

Figure 5

Figure 5. Working Gas in Underground Natural Gas Storage in the U.S., 1999-2002



Sources: Tables 10, 11 and 12.

**Table 10. Underground Natural Gas Storage - by Season, 2000-2002**

(Volumes in Billion Cubic Feet)

Year, Season and Month	Natural Gas in Underground Storage at End of Period			Change In Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals <sup>a</sup>
<b>March 2000</b> .....	4,364	1,153	5,517	-255	-18.0	139	291	152
<b>2000 Refill Season</b>								
April .....	4,362	1,203	5,565	-297	-19.6	192	146	-46
May .....	4,362	1,433	5,795	-404	-21.9	313	82	-231
June .....	4,361	1,717	6,079	-435	-20.1	349	65	-284
July .....	4,362	2,003	6,365	-379	-15.8	372	83	-289
August .....	4,361	2,199	6,560	-414	-15.8	305	109	-196
September .....	4,360	2,494	6,855	-432	-14.7	370	80	-291
October .....	4,360	2,732	7,092	-345	-11.1	329	88	-241
<b>Total</b> .....	—	—	—	—	—	<b>2,230</b>	<b>651</b>	<b>-1,579</b>
<b>2000-2001 Heating Season</b>								
November .....	4,361	2,442	6,803	-628	-20.3	108	396	288
December .....	4,352	1,719	6,071	-806	-31.9	66	785	720
January .....	4,344	1,265	5,609	-495	-28.1	93	559	467
February .....	4,328	912	5,241	-391	-30.0	71	409	338
March .....	4,300	742	5,042	-412	-35.7	113	293	181
<b>Total</b> .....	—	—	—	—	—	<b>450</b>	<b>2,443</b>	<b>1,993</b>
<b>2001 Refill Season</b>								
April .....	4,261	992	5,253	-210	-17.5	345	68	-276
May .....	4,309	1,440	5,749	7	0.5	488	41	-448
June .....	4,310	1,882	6,193	165	9.6	470	48	-422
July .....	4,315	2,261	6,576	258	12.9	441	64	-376
August .....	4,313	2,576	6,889	377	17.1	384	79	-305
September .....	4,318	2,944	7,262	450	18.0	409	41	-368
October .....	4,310	3,144	7,454	412	15.1	281	92	-189
<b>Total</b> .....	—	—	—	—	—	<b>2,819</b>	<b>435</b>	<b>-2,384</b>
<b>2001-2002 Heating Season</b>								
November .....	4,301	3,254	7,555	812	33.2	223	138	-85
December .....	4,301	2,904	7,204	1,185	68.9	80	430	350
January .....	4,313	2,344	6,657	1,078	85.2	59	605	546
February .....	4,356	1,838	6,194	925	101.4	55	517	462
March .....	4,355	1,518	5,873	776	104.7	105	425	320
<b>Total</b> .....	—	—	—	—	—	<b>523</b>	<b>2,115</b>	<b>1,593</b>
<b>2002 Refill Season</b>								
April .....	4,355	1,659	6,014	666	67.1	237	111	-126
May .....	4,361	1,968	6,329	528	36.7	381	58	-323
June .....	4,355	2,308	6,663	426	22.6	395	56	-339
July .....	4,358	2,539	6,896	278	12.3	341	101	-239
August .....	4,357	2,773	7,130	198	7.7	322	89	-234
September .....	4,368	3,057	7,424	112	3.8	364	72	-292
<b>Total</b> .....	—	—	—	—	—	<b>2,040</b>	<b>488</b>	<b>-1,552</b>

<sup>a</sup> Negative numbers indicate the volume of injections in excess of withdrawals. Positive numbers indicate the volume of withdrawals in excess of injections.

— Not Applicable.

**Notes:** Data through 2000 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 for discussion of revision policy. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period

to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia.

**Sources:** Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."



**Table 11. Underground Natural Gas Storage - Salt Cavern Storage Fields, 1996-2002**  
(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Salt Cavern Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals
<b>1996 Total<sup>a</sup></b> .....	—	—	—	—	—	<b>258</b>	<b>246</b>	<b>-13</b>
<b>1997 Total<sup>a</sup></b> .....	—	—	—	—	—	<b>267</b>	<b>274</b>	<b>6</b>
<b>1998 Total<sup>a</sup></b> .....	—	—	—	—	—	<b>297</b>	<b>275</b>	<b>-22</b>
<b>1999 Total<sup>a</sup></b> .....	—	—	—	—	—	<b>260</b>	<b>259</b>	<b>-1</b>
<b>2000</b>								
January .....	68	65	133	-15	-21.2	16	50	34
February .....	68	66	134	-12	-15.1	23	22	-1
March .....	69	69	138	0	1.5	24	20	-3
April .....	69	74	143	-4	-5.5	24	19	-5
May .....	70	77	147	-17	-18.1	27	24	-3
June .....	70	90	160	-12	-11.4	31	18	-13
July .....	71	97	168	1	1.7	30	21	-9
August .....	72	90	161	-13	-12.3	24	32	8
September .....	71	101	172	-12	-9.7	31	18	-12
October .....	71	107	178	-9	-6.6	29	20	-9
November .....	71	110	182	-9	-5.2	21	23	1
December .....	70	72	142	-28	-28.0	18	55	36
<b>Total</b> .....	—	—	—	—	—	<b>296</b>	<b>320</b>	<b>24</b>
<b>2001</b>								
January .....	71	73	144	9	13.5	33	31	-1
February .....	69	67	136	1	1.1	19	27	8
March .....	69	53	122	-16	-23.6	20	34	14
April .....	69	71	140	-3	-4.4	33	15	-18
May .....	71	85	156	8	10.4	30	14	-16
June .....	71	85	155	-5	-5.1	26	25	-1
July .....	71	89	160	-8	-8.4	29	25	-4
August .....	71	86	157	-2	-2.7	27	29	2
September .....	71	100	171	0	-0.3	33	19	-14
October .....	71	108	180	1	0.8	33	24	-8
November .....	77	123	200	13	11.6	35	21	-14
December .....	77	115	191	43	59.4	19	28	9
<b>Total</b> .....	—	—	—	—	—	<b>337</b>	<b>293</b>	<b>-44</b>
<b>2002</b>								
January .....	77	93	170	19	26.2	24	46	22
February .....	77	74	151	7	10.9	20	38	18
March .....	77	65	142	12	22.3	27	36	9
April .....	77	77	154	6	8.1	29	17	-12
May .....	77	93	171	8	9.7	35	19	-16
June .....	77	104	181	19	22.2	32	21	-10
July .....	80	91	171	2	2.7	29	36	7
August .....	80	96	176	10	11.3	32	27	-5
September .....	81	102	184	2	2.2	34	27	-7

<sup>a</sup> Total as of December 31.

— Not Applicable.

**Notes:** Data for 1996 through 2000 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due

to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

**Sources:** Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

**Table 12. Underground Natural Gas Storage - Storage Fields Other than Salt Caverns, 1996-2002**

(Volumes in Billion Cubic Feet)

Year and Month	Natural Gas in Non-Salt Cavern Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity		
	Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals	Net Withdrawals
<b>1996 Total<sup>a</sup></b> .....	—	—	—	—	—	<b>2,647</b>	<b>2,665</b>	<b>18</b>
<b>1997 Total<sup>a</sup></b> .....	—	—	—	—	—	<b>2,533</b>	<b>2,551</b>	<b>18</b>
<b>1998 Total<sup>a</sup></b> .....	—	—	—	—	—	<b>2,608</b>	<b>2,103</b>	<b>-504</b>
<b>1999 Total<sup>a</sup></b> .....	—	—	—	—	—	<b>2,338</b>	<b>2,512</b>	<b>175</b>
<b>2000</b>								
January .....	4,310	1,696	6,006	-280	-14.8	44	791	748
February .....	4,309	1,238	5,547	-418	-25.8	60	511	451
March .....	4,295	1,084	5,379	-242	-19.0	116	271	156
April .....	4,293	1,129	5,422	-277	-20.4	167	127	-41
May .....	4,292	1,356	5,648	-387	-22.1	286	58	-228
June .....	4,291	1,627	5,918	-423	-20.5	318	47	-271
July .....	4,291	1,906	6,196	-380	-16.6	343	62	-281
August .....	4,289	2,109	6,399	-401	-15.9	281	77	-204
September .....	4,289	2,393	6,683	-420	-14.9	340	61	-278
October .....	4,289	2,625	6,913	-336	-11.3	300	68	-233
November .....	4,290	2,332	6,621	-620	-20.9	86	373	287
December .....	4,282	1,647	5,929	-779	-32.0	47	731	684
<b>Total</b> .....	—	—	—	—	—	<b>2,388</b>	<b>3,178</b>	<b>790</b>
<b>2001</b>								
January .....	4,273	1,192	5,465	-504	-29.7	60	528	468
February .....	4,259	846	5,105	-392	-31.5	52	382	330
March .....	4,232	688	4,920	-396	-36.3	93	259	166
April .....	4,192	921	5,113	-208	-17.0	312	54	-259
May .....	4,239	1,355	5,594	-1	0.4	458	27	-432
June .....	4,239	1,798	6,037	171	11.2	445	23	-421
July .....	4,245	2,172	6,417	266	14.4	411	39	-372
August .....	4,242	2,490	6,732	380	18.5	357	50	-307
September .....	4,247	2,844	7,091	450	19.9	376	22	-354
October .....	4,238	3,036	7,274	411	15.7	248	68	-180
November .....	4,224	3,131	7,354	799	34.3	188	117	-71
December .....	4,224	2,789	7,013	1,142	69.3	61	402	341
<b>Total</b> .....	—	—	—	—	—	<b>3,062</b>	<b>1,971</b>	<b>-1,091</b>
<b>2002</b>								
January .....	4,236	2,251	6,487	1,059	88.8	36	560	524
February .....	4,279	1,764	6,043	918	108.6	35	479	444
March .....	4,278	1,453	5,731	764	111.0	78	389	311
April .....	4,278	1,582	5,860	661	71.7	208	94	-114
May .....	4,284	1,875	6,159	520	38.4	346	39	-307
June .....	4,278	2,205	6,483	407	22.6	363	35	-328
July .....	4,278	2,448	6,725	275	12.7	312	65	-247
August .....	4,277	2,678	6,954	188	7.5	290	62	-228
September .....	4,287	2,954	7,241	110	3.9	330	45	-285

<sup>a</sup> Total as of December 31.

— Not Applicable.

**Notes:** Data for 1996 through 2000 are final. All other data are preliminary unless otherwise noted. See Explanatory Note 7 for discussion of the reporting of underground storage information. Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. This is due to changes in the quantities of native gas included in base gas and/or losses in base gas due

to migration from storage reservoirs. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. Positive net withdrawals indicate the volume of withdrawals in excess of injections. Negative net withdrawals indicate the volume of injections in excess of withdrawals.

**Sources:** Form EIA-191, "Monthly Underground Gas Storage Report," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

**Table 13. Net Withdrawals from Underground Storage, by State, 2000-2002**

(Volumes in Million Cubic Feet)

State	2002						
	September	August	July	June	May	April	March
Alabama .....	-64	-97	-250	2	-100	-257	271
Arkansas .....	-393	-390	-340	-463	-504	-47	235
California .....	-4,707	300	-7,074	-12,551	-20,711	-20,680	5,245
Colorado .....	-4,010	-6,603	-3,949	-3,290	700	-2,247	5,766
Illinois .....	-38,523	-36,355	-28,449	-37,470	-26,234	8,790	26,990
Indiana .....	-3,096	-2,706	-3,524	-2,988	-1,452	1,997	3,589
Iowa .....	-12,563	-12,477	-12,189	-4,981	-701	363	7,122
Kansas .....	-11,061	-9,211	-2,974	-11,587	-17,806	-6,721	12,651
Kentucky .....	-6,208	-5,606	-4,142	-7,907	-9,766	400	10,669
Louisiana .....	-37,513	-13,157	-6,555	-19,113	-33,062	-11,352	18,770
Maryland .....	44	-2,104	-2,618	-2,504	-780	427	2,121
Michigan .....	-49,663	-54,020	-51,389	-58,362	-39,468	-10,433	74,426
Minnesota .....	-299	-288	-276	0	0	134	375
Mississippi .....	89	-4,789	-2,822	-6,879	-8,184	-1,528	4,016
Missouri .....	-781	-1,096	18	13	10	215	1,089
Montana .....	-4,292	-5,185	-6,590	-3,915	-1,879	707	3,605
Nebraska .....	-922	-705	238	-601	-1,036	-261	1,628
New Mexico .....	-486	755	366	1,211	-1,304	87	1,131
New York .....	-5,554	-5,554	-7,710	-11,015	-6,751	-1,459	7,783
Ohio .....	-22,382	-27,004	-30,971	-32,067	-25,799	-9,911	33,060
Oklahoma .....	-6,868	2,172	-985	-13,006	-25,468	-13,141	13,099
Oregon .....	-690	-2,120	-2,679	-3,182	491	1,648	2,859
Pennsylvania .....	-37,856	-24,677	-29,850	-49,766	-41,830	-16,389	46,264
Tennessee .....	3	4	15	2	7	0	-1
Texas .....	-19,950	9,023	-142	-14,881	-23,862	-25,965	10,269
Utah .....	-3,633	-6,336	-6,807	-7,112	-7,913	-3,510	2,811
Virginia .....	-301	-146	-274	-289	-537	-160	383
Washington .....	-1,487	-956	-620	-2,918	-4,057	-3,810	849
West Virginia .....	-16,735	-20,483	-22,527	-29,037	-22,101	-10,731	20,896
Wyoming .....	-1,837	-3,702	-4,164	-3,920	-2,877	-2,081	2,175
<b>AGA Regions</b>							
Producing .....	-76,245	-15,694	-13,701	-64,716	-110,290	-58,923	60,442
Eastern Consuming .....	-194,538	-192,929	-193,372	-236,972	-176,437	-37,154	236,020
Western Consuming .....	-20,955	-24,891	-32,159	-36,888	-36,245	-29,838	23,685
<b>Total .....</b>	<b>-291,738</b>	<b>-233,514</b>	<b>-239,233</b>	<b>-338,575</b>	<b>-322,972</b>	<b>-125,916</b>	<b>320,146</b>

See footnotes at end of table.

**Table 13. Net Withdrawals from Underground Storage, by State, 2000-2002**

(Volumes in Million Cubic Feet) — Continued

State	2002		2001				
	February	January	Total	December	November	October	September
Alabama .....	108	210	-711	-11	-501	120	-17
Arkansas .....	770	486	-2,904	507	-90	-339	-579
California .....	4,939	39,393	-74,641	23,726	-13,104	-14,507	-9,385
Colorado .....	7,182	4,892	-7,388	1,048	-63	753	-5,021
Illinois .....	49,634	58,536	-24,866	47,266	43	-26,142	-33,582
Indiana .....	4,666	4,084	-5,686	3,777	-2,298	-3,809	-4,044
Iowa .....	15,015	21,622	-21,025	17,209	-3,118	-11,688	-13,710
Kansas .....	17,130	19,274	-46,721	12,355	-4,369	-1,268	-17,406
Kentucky .....	11,384	8,665	-36,233	6,206	12	-5,143	-8,975
Louisiana .....	39,103	41,561	-123,545	23,556	-20,514	-10,552	-34,844
Maryland .....	1,352	2,722	-4,265	1,619	-34	-1,310	-1,166
Michigan .....	73,014	84,521	-226,068	65,214	-8,308	-42,469	-72,648
Minnesota .....	332	304	-605	3	-134	-174	-232
Mississippi .....	8,337	9,588	-11,441	4,205	-2,504	1,082	-4,068
Missouri .....	825	-24	-904	254	-255	-248	-348
Montana .....	2,765	3,400	-9,117	3,890	503	-1,573	-4,853
Nebraska .....	679	1,267	-2,349	831	-45	-361	-1,250
New Mexico .....	1,655	1,285	-9,476	645	-1,059	-173	-891
New York .....	10,978	14,435	-16,354	8,628	-1,337	-3,374	-6,343
Ohio .....	44,426	41,480	-61,585	31,110	2,950	-9,844	-26,370
Oklahoma .....	20,976	23,962	-71,523	10,886	-2,795	-4,003	-17,906
Oregon .....	787	1,424	-2,624	1,572	-766	0	-852
Pennsylvania .....	62,974	61,675	-92,474	48,277	-9,455	-18,022	-39,267
Tennessee .....	-1	-50	-337	1	-30	-100	-62
Texas .....	27,590	36,821	-176,609	-136	-15,122	-21,203	-28,769
Utah .....	7,407	11,857	-12,511	9,619	3,189	-280	-7,384
Virginia .....	677	500	-1,097	277	-27	-32	-271
Washington .....	4,145	7,037	-2,821	-102	145	1,030	-1,450
West Virginia .....	39,632	41,761	-79,928	25,006	-5,364	-12,915	-22,496
Wyoming .....	3,197	3,239	-8,570	2,853	-1,029	-2,113	-3,691
<b>AGA Regions</b>							
Producing .....	115,667	133,186	-442,931	52,006	-46,954	-36,337	-104,480
Eastern Consuming .....	315,254	341,195	-573,164	255,676	-27,260	-135,455	-230,533
Western Consuming .....	30,755	71,547	-118,276	42,609	-11,260	-16,864	-32,867
<b>Total .....</b>	<b>461,676</b>	<b>545,928</b>	<b>-1,134,378</b>	<b>350,291</b>	<b>-85,481</b>	<b>-188,656</b>	<b>-367,879</b>

See footnotes at end of table.

**Table 13. Net Withdrawals from Underground Storage, by State, 2000-2002**

(Volumes in Million Cubic Feet) — Continued

State	2001					
	August	July	June	May	April	March
Alabama .....	-113	-154	-576	44	-195	604
Arkansas .....	-505	-740	-879	-992	-604	139
California .....	-10,941	-20,929	-29,462	-27,438	-17,361	-14,822
Colorado .....	-4,513	-4,182	-4,069	-2,301	660	1,787
Illinois .....	-23,679	-20,442	-25,936	-30,943	-12,251	14,412
Indiana .....	-2,916	-3,671	-3,159	-1,372	1,366	2,616
Iowa .....	-13,505	-10,141	-6,017	-5,532	-2,900	3,712
Kansas .....	-7,572	-6,556	-13,884	-14,428	-11,364	4,933
Kentucky .....	-6,409	-9,956	-12,782	-11,456	-4,039	6,901
Louisiana .....	-13,578	-24,699	-30,405	-25,730	-22,513	5,213
Maryland .....	518	-2,572	-3,098	-2,653	-1,402	1,215
Michigan .....	-79,175	-87,034	-80,530	-71,545	-36,155	43,738
Minnesota .....	-259	-328	-319	-152	23	154
Mississippi .....	-1,986	-5,355	-6,274	-2,821	-8,549	10,930
Missouri .....	-589	13	-1,063	17	-51	1,242
Montana .....	-4,966	-5,523	-4,034	-2,902	-1	1,629
Nebraska .....	-364	-339	-956	-1,908	-1,077	573
New Mexico .....	13	93	-403	-2,645	-1,573	-1,851
New York .....	-5,574	-10,233	-11,212	-13,541	-6,630	8,160
Ohio .....	-32,266	-37,878	-32,303	-33,094	-15,734	22,906
Oklahoma .....	-8,596	-10,224	-23,745	-28,938	-23,624	415
Oregon .....	-1,860	-2,293	-2,561	-2,151	810	962
Pennsylvania .....	-25,406	-50,422	-55,959	-66,462	-43,608	47,171
Tennessee .....	-47	-63	-31	-113	-103	69
Texas .....	-24,185	-21,624	-34,795	-40,985	-43,016	2,704
Utah .....	-5,939	-7,179	-6,356	-7,254	-4,428	-2,807
Virginia .....	-322	-244	-402	-532	-434	283
Washington .....	-1,343	372	-200	-8,283	-2,300	592
West Virginia .....	-25,939	-31,290	-28,838	-39,499	-18,243	16,521
Wyoming .....	-3,143	-2,866	-1,800	-2,052	-1,073	534
<b>AGA Regions</b>						
Producing .....	-56,521	-69,260	-110,961	-116,493	-111,438	23,088
Eastern Consuming .....	-215,675	-264,271	-262,286	-278,633	-141,259	169,519
Western Consuming .....	-32,963	-42,930	-48,800	-52,532	-23,671	-11,971
<b>Total</b> .....	<b>-305,159</b>	<b>-376,461</b>	<b>-422,046</b>	<b>-447,658</b>	<b>-276,368</b>	<b>180,636</b>

See footnotes at end of table.

**Table 13. Net Withdrawals from Underground Storage, by State, 2000-2002**

(Volumes in Million Cubic Feet) — Continued

State	2001		2000				
	February	January	Total	December	November	October	September
Alabama .....	-241	330	430	85	203	142	110
Arkansas .....	391	785	3,033	2,077	432	-397	-268
California .....	20,542	39,041	47,960	6,493	27,309	-10,735	-1,623
Colorado .....	4,374	4,138	8,613	4,969	4,003	-2,003	-2,248
Illinois .....	43,450	42,940	24,165	49,235	25,535	-33,495	-30,571
Indiana .....	3,544	4,279	3,892	7,120	-608	-4,297	-3,323
Iowa .....	8,167	16,496	13,560	23,122	11,086	-13,898	-13,240
Kansas .....	16,056	-3,218	34,047	25,577	20,998	-18,438	-16,047
Kentucky .....	2,626	6,783	30,198	23,027	11,187	-8,599	-10,707
Louisiana .....	96	30,425	96,201	67,565	12,336	-23,895	-20,965
Maryland .....	2,382	2,235	4,383	5,151	1,323	-288	-44
Michigan .....	76,815	66,029	146,588	127,858	48,638	-37,897	-46,387
Minnesota .....	323	489	306	567	-92	-199	-266
Mississippi .....	1,071	2,828	1,853	14,228	4,503	-4,386	-4,632
Missouri .....	379	-255	567	1,078	-191	-353	-711
Montana .....	4,504	4,208	13,911	5,173	3,722	51	-958
Nebraska .....	1,456	1,090	4,366	1,124	1,622	-503	-764
New Mexico .....	-1,657	25	-561	418	-295	-905	-50
New York .....	11,920	13,182	9,824	17,276	5,062	-4,026	-7,909
Ohio .....	27,160	41,777	48,330	61,149	24,034	-10,060	-23,823
Oklahoma .....	12,522	24,484	88,353	42,630	16,307	-13,209	-12,480
Oregon .....	2,264	2,252	212	1,565	849	-720	-720
Pennsylvania .....	51,475	69,205	47,204	96,037	21,869	-26,640	-47,265
Tennessee .....	82	59	59	-12	-86	-114	-49
Texas .....	8,957	41,565	127,251	67,839	12,680	-16,995	-12,544
Utah .....	4,031	12,277	6,537	10,861	9,016	1,000	-5,592
Virginia .....	92	517	471	789	354	-251	-202
Washington .....	6,110	2,608	1,932	-1,986	3,781	1,188	-2,835
West Virginia .....	26,341	36,787	42,171	55,132	20,788	-11,762	-24,203
Wyoming .....	2,586	3,225	8,063	3,611	1,933	336	-360
<b>AGA Regions</b>							
Producing .....	37,194	97,224	350,177	220,332	66,960	-78,226	-66,987
Eastern Consuming .....	255,889	301,124	376,207	468,171	170,818	-152,040	-209,087
Western Consuming .....	44,735	68,237	87,535	31,251	50,522	-11,083	-14,602
<b>Total</b> .....	<b>337,818</b>	<b>466,585</b>	<b>813,920</b>	<b>719,754</b>	<b>288,299</b>	<b>-241,349</b>	<b>-290,675</b>

**Notes:** This table contains total net withdrawals for each State with natural gas storage facilities. Positive numbers indicate the volume of withdrawals in excess of injections. Negative values indicate the volume of injections in excess of withdrawals. Data through 2000 are final. All other data are preliminary at this time and are not considered final until publication of the *Natural Gas Annual* for that year. The EIA publishes weekly estimates of working gas in underground storage by geographical regions developed by the American Gas Association (AGA) when they published similar weekly

estimates. The AGA Producing Region is Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, Alabama and Mississippi; the Eastern Consuming Region is all States east of the Mississippi River less Mississippi, plus Iowa, Nebraska and Missouri; the Western Consuming Region is all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

**Source:** Form EIA-191, "Monthly Underground Gas Storage Report."

**Table 14. Activities of Underground Natural Gas Storage Operators, by State, September 2002**

(Volumes in Million Cubic Feet)

State	Total Storage Capacity	Natural Gas in Underground Storage at End of Period			Change in Working Gas from Same Period Previous Year		Storage Activity	
		Base Gas	Working Gas	Total	Volume	Percent	Injections	Withdrawals
Alabama .....	5,280	2,690	2,423	5,113	755	45.2	106	42
Arkansas .....	22,000	8,715	7,386	16,102	567	8.3	393	0
California .....	475,720	235,445	214,844	450,289	16,180	8.1	9,960	5,253
Colorado .....	100,227	47,655	37,568	85,223	-23	-0.1	5,441	1,431
Illinois .....	898,565	666,632	244,947	911,579	27,226	12.5	38,767	244
Indiana .....	109,310	77,458	28,445	105,903	-1,063	-3.6	3,202	105
Iowa .....	273,200	201,750	48,047	249,797	-7,648	-13.7	12,890	327
Kansas .....	301,502	178,385	95,909	274,295	3,627	3.9	11,722	662
Kentucky .....	219,914	139,863	71,124	210,987	-29,155	-29.1	6,720	512
Louisiana .....	580,037	298,272	267,212	565,484	20,754	8.4	55,883	18,370
Maryland .....	62,000	46,677	14,479	61,156	1,752	13.8	401	445
Michigan .....	1,070,717	445,731	527,910	973,641	19,408	3.8	50,236	573
Minnesota .....	7,000	4,840	1,874	6,714	25	1.4	299	0
Mississippi .....	141,912	80,375	49,353	129,728	-6,060	-10.9	7,078	7,167
Missouri .....	31,878	21,600	9,802	31,402	-21	-0.2	797	16
Montana .....	371,510	179,526	33,098	212,624	-3,338	-9.2	4,862	570
Nebraska .....	39,469	26,995	5,876	32,871	-713	-10.8	1,000	78
New Mexico .....	96,600	29,766	9,771	39,537	181	1.9	1,556	1,070
New York .....	175,496	96,345	74,208	170,553	350	0.5	5,946	392
Ohio .....	573,784	345,455	188,857	534,312	4,354	2.4	23,232	850
Oklahoma .....	382,037	207,408	137,289	344,696	-11,399	-7.7	10,686	3,818
Oregon .....	22,042	6,624	8,784	15,408	-2,185	-19.9	731	42
Pennsylvania .....	950,148	341,916	371,025	712,941	16,730	4.7	44,813	6,956
Tennessee .....	1,200	340	602	942	-176	-22.6	1	4
Texas .....	700,324	247,815	310,802	558,617	34,022	12.3	41,297	21,346
Utah .....	129,480	64,691	48,219	112,910	857	1.8	4,139	506
Virginia .....	4,967	2,387	2,631	5,017	-46	-1.7	371	70
Washington .....	37,300	19,168	18,541	37,709	360	2.0	1,712	224
West Virginia .....	496,796	278,343	188,786	467,129	12,818	7.3	17,562	828
Wyoming .....	105,869	64,844	36,762	101,606	14,166	62.7	2,008	171
<b>AGA Regions</b>								
Producing .....	2,229,692	1,053,426	880,145	1,933,571	44,116	5.3	128,720	52,475
Eastern Consuming .....	4,907,444	2,691,493	1,776,738	4,468,231	42,148	2.4	205,938	11,399
Western Consuming .....	1,249,147	622,792	399,691	1,022,483	26,043	7.0	29,151	8,196
<b>Total .....</b>	<b>8,386,282</b>	<b>4,367,711</b>	<b>3,056,574</b>	<b>7,424,285</b>	<b>112,308</b>	<b>3.8</b>	<b>363,809</b>	<b>72,071</b>

**Notes:** Gas in storage at the end of a reporting period may not equal the quantity derived by adding or subtracting net injections or withdrawals during the period to the quantity of gas in storage at the beginning of the period. Totals may not equal sum of components because of independent rounding. Geographic coverage is the 50 States and the District of Columbia. The EIA publishes weekly estimates of working gas in underground storage by geographical regions developed by the American Gas Association (AGA)

when they published similar weekly estimates. The AGA Producing Region is Texas, Oklahoma, Kansas, New Mexico, Louisiana, Arkansas, Alabama and Mississippi; the Eastern Consuming Region is all States east of the Mississippi River less Mississippi, plus Iowa, Nebraska and Missouri; the Western Consuming Region is all States west of the Mississippi River less the Producing Region and Iowa, Nebraska and Missouri.

**Source:** Form EIA-191, "Monthly Underground Gas Storage Report."

**Table 15. Natural Gas Deliveries to Residential Consumers, by State, 2000-2002**  
(Million Cubic Feet)

State	YTD 2002	YTD 2001	YTD 2000	2002		
				August	July	June
Alabama .....	32,026	37,376	31,648	1,067	1,094	1,376
Alaska .....	NA	9,353	9,837	612	436	NA
Arizona .....	26,723	27,279	24,208	1,048	1,108	1,384
Arkansas .....	NA	27,060	23,908	NA	NA	NA
California .....	354,184	355,632	339,901	23,498	24,896	26,372
Colorado .....	NA	91,235	76,589	2,491	2,556	2,635
Connecticut .....	NA	28,746	27,745	972	819	NA
Delaware .....	6,356	7,390	7,007	162	191	265
District of Columbia .....	8,290	11,192	10,883	314	314	347
Florida .....	10,863	11,972	10,670	725	779	836
Georgia .....	76,251	85,333	79,931	3,544	3,651	3,710
Hawaii .....	365	364	367	42	45	41
Idaho .....	14,168	13,525	12,369	360	391	697
Illinois .....	298,626	290,819	277,376	9,170	9,527	12,241
Indiana .....	102,828	NA	101,196	2,953	2,634	4,167
Iowa .....	47,358	51,961	45,335	1,408	1,322	1,864
Kansas .....	49,219	54,663	46,543	1,352	1,463	1,988
Kentucky .....	36,260	37,663	36,961	1,103	1,032	1,129
Louisiana .....	NA	36,234	32,078	NA	NA	NA
Maine .....	NA	654	670	26	25	NA
Maryland .....	NA	57,985	54,449	NA	1,636	NA
Massachusetts .....	76,002	86,151	80,408	2,843	3,231	4,519
Michigan .....	245,583	253,776	242,835	6,428	7,505	13,734
Minnesota .....	NA	86,751	78,518	NA	2,998	3,474
Mississippi .....	19,429	21,342	17,852	682	717	920
Missouri .....	80,295	89,058	76,202	2,075	2,353	3,148
Montana .....	14,500	13,658	12,277	451	454	785
Nebraska .....	30,019	33,782	28,281	735	893	1,156
Nevada .....	22,666	22,244	19,280	940	1,033	1,296
New Hampshire .....	4,806	5,203	5,191	145	225	303
New Jersey .....	NA	154,185	146,136	NA	4,968	6,250
New Mexico .....	23,704	20,384	21,087	810	817	958
New York .....	259,205	279,028	278,074	9,174	10,987	15,561
North Carolina .....	38,599	42,708	41,904	889	1,019	1,456
North Dakota .....	NA	6,908	7,102	NA	195	248
Ohio .....	214,757	229,494	218,605	5,918	7,452	9,587
Oklahoma .....	NA	50,821	43,138	1,549	1,711	1,974
Oregon .....	27,907	27,391	26,570	840	993	1,613
Pennsylvania .....	156,557	179,178	172,655	4,464	5,195	7,271
Rhode Island .....	NA	14,052	13,677	424	476	783
South Carolina .....	19,294	20,986	19,481	482	538	721
South Dakota .....	8,467	8,583	7,735	239	224	326
Tennessee .....	49,827	50,568	44,161	1,089	1,196	1,667
Texas .....	145,571	161,775	124,727	6,400	6,736	7,014
Utah .....	37,459	34,488	31,356	1,412	1,412	1,574
Vermont .....	1,942	2,089	2,060	58	64	119
Virginia .....	46,312	53,794	50,822	1,635	1,519	1,976
Washington .....	NA	49,991	48,838	NA	NA	NA
West Virginia .....	NA	23,332	22,122	1,113	1,225	1,236
Wisconsin .....	87,169	90,149	81,247	2,656	2,587	3,458
Wyoming .....	NA	7,509	7,670	183	NA	453
<b>Total .....</b>	<b>3,279,265</b>	<b>3,460,354</b>	<b>3,219,683</b>	<b>117,801</b>	<b>127,814</b>	<b>163,537</b>

See footnotes at end of table.



**Table 15. Natural Gas Deliveries to Residential Consumers, by State, 2000-2002**

(Million Cubic Feet) — Continued

State	2002					2001
	May	April	March	February	January	Total
Alabama .....	1,606	3,315	7,033	7,640	8,895	47,543
Alaska .....	989	1,453	2,185	1,998	2,125	16,799
Arizona .....	1,718	2,678	4,531	6,659	7,599	36,122
Arkansas .....	NA	NA	NA	7,325	NA	39,124
California .....	34,653	43,114	58,010	64,134	79,507	508,265
Colorado .....	5,094	NA	17,031	19,643	21,658	123,893
Connecticut .....	2,022	3,702	4,736	NA	6,197	40,563
Delaware .....	460	909	1,286	1,385	1,697	9,379
District of Columbia .....	559	798	1,648	1,988	2,324	14,297
Florida .....	909	1,252	1,954	1,893	2,516	15,623
Georgia .....	4,822	5,755	13,698	19,102	21,969	123,342
Hawaii .....	44	49	48	48	49	537
Idaho .....	1,237	1,795	2,797	3,442	3,450	19,076
Illinois .....	23,423	42,614	65,402	64,032	72,217	427,822
Indiana .....	8,643	14,105	21,786	21,741	26,798	NA
Iowa .....	3,521	6,509	10,467	10,288	11,981	71,305
Kansas .....	2,965	6,316	10,662	11,197	13,277	70,546
Kentucky .....	1,691	3,667	8,162	9,346	10,130	56,778
Louisiana .....	NA	NA	NA	NA	8,322	NA
Maine .....	49	88	134	138	141	979
Maryland .....	3,087	4,739	9,704	11,882	12,872	80,478
Massachusetts .....	6,854	10,259	14,639	16,360	17,297	109,204
Michigan .....	23,198	35,940	49,969	49,807	59,002	352,143
Minnesota .....	7,835	10,885	19,906	16,809	20,571	124,890
Mississippi .....	1,019	2,147	4,154	3,929	5,860	27,556
Missouri .....	5,173	10,616	16,977	18,792	21,161	115,618
Montana .....	1,412	2,079	3,207	2,799	3,313	20,102
Nebraska .....	1,839	4,222	6,223	6,220	8,729	45,378
Nevada .....	1,753	2,405	3,726	5,642	5,871	32,609
New Hampshire .....	445	653	934	1,053	1,047	6,947
New Jersey .....	9,956	17,515	27,256	30,266	34,336	208,449
New Mexico .....	1,266	2,647	4,947	6,135	6,124	32,374
New York .....	25,856	38,011	50,929	52,455	56,231	376,825
North Carolina .....	1,771	4,110	7,872	9,570	11,913	57,250
North Dakota .....	641	1,028	1,761	1,455	1,837	10,674
Ohio .....	16,745	28,966	45,040	47,274	53,775	314,033
Oklahoma .....	NA	6,630	10,581	11,106	12,761	65,116
Oregon .....	2,776	3,851	5,257	6,096	6,480	38,369
Pennsylvania .....	12,207	22,193	31,719	33,327	40,182	240,614
Rhode Island .....	1,268	1,858	2,976	2,648	NA	17,937
South Carolina .....	832	1,901	4,261	4,632	5,926	26,955
South Dakota .....	757	1,231	1,941	1,726	2,024	12,295
Tennessee .....	2,087	5,347	11,326	12,157	14,959	66,745
Texas .....	7,587	15,490	30,253	29,456	42,635	221,573
Utah .....	2,277	3,244	7,740	9,276	10,522	55,331
Vermont .....	182	312	346	441	419	2,719
Virginia .....	2,773	4,365	9,394	11,122	13,527	71,151
Washington .....	5,537	7,879	10,270	11,229	10,931	84,668
West Virginia .....	2,520	3,433	5,605	5,765	NA	34,014
Wisconsin .....	7,853	11,317	20,423	17,975	20,900	130,302
Wyoming .....	815	1,269	NA	1,439	2,365	11,064
<b>Total .....</b>	<b>258,793</b>	<b>419,441</b>	<b>666,416</b>	<b>704,264</b>	<b>821,200</b>	<b>4,814,874</b>

See footnotes at end of table.

**Table 15. Natural Gas Deliveries to Residential Consumers, by State, 2000-2002**  
(Million Cubic Feet) — Continued

State	2001					
	December	November	October	September	August	July
Alabama .....	4,341	2,986	1,711	1,130	1,151	1,149
Alaska .....	2,783	2,185	1,661	818	538	519
Arizona .....	5,012	1,653	1,153	1,025	985	1,055
Arkansas .....	6,056	3,583	1,613	811	848	1,017
California .....	63,738	38,751	28,974	21,170	22,303	23,989
Colorado .....	17,192	8,570	4,079	2,816	2,462	3,044
Connecticut .....	5,325	3,489	2,120	883	1,007	803
Delaware .....	833	628	341	187	164	219
District of Columbia .....	1,353	950	471	331	313	351
Florida .....	1,202	985	764	700	702	728
Georgia .....	17,132	8,841	8,108	3,928	3,608	3,674
Hawaii .....	47	43	40	43	41	44
Idaho .....	2,820	1,597	712	423	341	412
Illinois .....	64,202	34,296	26,298	12,207	8,969	9,918
Indiana .....	18,917	11,418	7,965	NA	NA	NA
Iowa .....	9,450	4,785	3,523	1,585	1,316	1,546
Kansas .....	8,416	3,837	2,057	1,573	1,539	1,536
Kentucky .....	9,494	5,087	3,162	1,371	1,098	1,031
Louisiana .....	NA	NA	NA	NA	1,548	1,885
Maine .....	132	107	54	32	25	25
Maryland .....	9,291	6,205	5,110	1,887	1,819	1,808
Massachusetts .....	8,703	6,927	4,565	2,858	2,366	2,765
Michigan .....	41,753	28,909	19,055	8,651	6,298	7,084
Minnesota .....	17,729	9,659	7,548	3,204	2,630	2,730
Mississippi .....	2,798	1,887	914	616	651	735
Missouri .....	13,235	6,963	3,838	2,524	2,166	2,366
Montana .....	2,946	1,838	1,158	502	404	416
Nebraska .....	4,191	4,793	1,742	870	905	950
Nevada .....	5,895	2,186	1,251	1,033	995	1,041
New Hampshire .....	766	492	302	185	149	154
New Jersey .....	23,913	15,898	9,200	5,254	4,821	4,780
New Mexico .....	6,493	2,933	1,561	1,003	839	1,008
New York .....	42,984	27,715	16,885	10,213	9,478	9,839
North Carolina .....	6,402	4,563	2,498	1,078	942	1,082
North Dakota .....	1,712	1,010	779	266	282	215
Ohio .....	37,549	23,958	16,164	6,867	6,140	7,420
Oklahoma .....	7,707	3,417	1,897	1,275	1,283	1,524
Oregon .....	5,275	3,343	1,443	918	905	1,095
Pennsylvania .....	27,155	17,649	11,241	5,392	4,960	5,108
Rhode Island .....	1,609	1,153	617	506	450	476
South Carolina .....	2,516	2,054	887	512	470	492
South Dakota .....	1,795	970	668	278	276	247
Tennessee .....	8,112	4,579	2,221	1,264	1,146	1,161
Texas .....	31,816	13,981	8,436	5,565	7,779	5,729
Utah .....	10,135	5,608	3,489	1,610	1,448	1,411
Vermont .....	270	203	91	67	54	65
Virginia .....	7,355	5,335	3,174	1,493	1,580	1,520
Washington .....	15,978	11,144	5,692	1,864	1,731	2,113
West Virginia .....	5,098	3,187	1,622	775	462	398
Wisconsin .....	18,656	9,669	8,093	3,736	2,418	2,930
Wyoming .....	1,511	1,048	722	274	249	240
<b>Total .....</b>	<b>616,944</b>	<b>367,386</b>	<b>240,749</b>	<b>129,441</b>	<b>117,924</b>	<b>124,920</b>

See footnotes at end of table.

**Table 15. Natural Gas Deliveries to Residential Consumers, by State, 2000-2002**

(Million Cubic Feet) — Continued

State	2001					
	June	May	April	March	February	January
Alabama .....	1,297	1,893	4,605	5,643	8,644	12,994
Alaska .....	609	980	1,182	1,817	1,824	1,883
Arizona .....	1,267	1,896	2,824	5,439	7,072	6,739
Arkansas .....	853	991	2,073	6,039	6,913	8,326
California .....	22,861	30,433	41,474	58,633	71,182	84,757
Colorado .....	4,464	8,234	12,557	17,892	20,481	22,102
Connecticut .....	1,208	1,309	3,644	6,135	6,215	8,425
Delaware .....	275	461	1,048	1,564	1,715	1,943
District of Columbia .....	442	595	1,390	2,178	2,544	3,379
Florida .....	781	955	1,310	1,510	2,635	3,351
Georgia .....	3,819	4,742	7,029	17,069	16,513	28,880
Hawaii .....	47	46	47	49	43	48
Idaho .....	584	1,063	1,794	2,379	3,455	3,497
Illinois .....	11,443	14,452	26,454	61,269	72,405	85,909
Indiana .....	NA	NA	10,918	21,871	24,627	33,033
Iowa .....	1,929	2,639	5,559	11,095	13,101	14,777
Kansas .....	1,743	2,437	5,758	11,650	12,213	17,787
Kentucky .....	954	1,307	2,488	9,204	8,955	12,626
Louisiana .....	1,657	2,014	3,181	4,852	8,222	12,874
Maine .....	22	49	61	143	154	175
Maryland .....	2,207	3,035	6,713	11,619	12,948	17,836
Massachusetts .....	3,514	5,835	13,605	18,455	18,490	21,123
Michigan .....	10,690	16,531	33,454	55,739	55,540	68,440
Minnesota .....	3,485	4,833	9,565	17,617	22,678	23,212
Mississippi .....	773	1,142	1,958	3,199	4,981	7,902
Missouri .....	3,043	3,840	9,594	17,971	21,190	28,888
Montana .....	696	1,047	1,906	2,583	3,330	3,276
Nebraska .....	1,180	2,564	4,596	6,229	7,494	9,864
Nevada .....	1,174	1,640	2,470	3,974	5,415	5,536
New Hampshire .....	214	386	784	1,061	1,132	1,324
New Jersey .....	6,006	9,242	20,570	32,905	33,583	42,276
New Mexico .....	966	1,190	1,948	2,762	5,561	6,109
New York .....	13,450	18,831	37,885	58,630	60,348	70,568
North Carolina .....	1,544	2,045	5,034	7,881	9,527	14,653
North Dakota .....	246	366	818	1,267	1,934	1,781
Ohio .....	8,794	12,305	27,986	48,453	51,889	66,508
Oklahoma .....	1,767	2,354	5,434	9,987	12,033	16,438
Oregon .....	1,508	2,653	3,916	5,048	5,941	6,324
Pennsylvania .....	6,222	10,195	23,385	38,071	39,900	51,338
Rhode Island .....	644	1,030	2,133	2,881	2,966	3,471
South Carolina .....	567	992	2,620	3,238	4,689	7,919
South Dakota .....	369	547	1,039	1,770	2,172	2,165
Tennessee .....	1,288	1,970	5,352	9,693	10,443	19,516
Texas .....	6,979	8,492	15,626	25,405	38,785	52,979
Utah .....	1,782	1,888	4,120	5,561	8,187	10,092
Vermont .....	96	146	316	420	446	544
Virginia .....	1,805	2,377	5,712	10,828	12,695	17,278
Washington .....	3,021	4,899	7,278	8,883	10,980	11,085
West Virginia .....	456	994	3,502	5,156	5,442	6,923
Wisconsin .....	3,410	4,725	8,545	21,640	22,782	23,699
Wyoming .....	440	610	1,158	1,101	1,846	1,865
<b>Total .....</b>	<b>148,025</b>	<b>209,913</b>	<b>404,418</b>	<b>686,454</b>	<b>784,262</b>	<b>984,439</b>

NA Not Available.

**Notes:** Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and

revision policy.

**Source:** Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

**Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 2000-2002**  
(Million Cubic Feet)

State	YTD 2002	YTD 2001	YTD 2000	2002		
				August	July	June
Alabama .....	NA	19,434	17,151	NA	1,073	1,185
Alaska .....	NA	10,960	16,532	669	557	933
Arizona .....	23,234	21,851	22,151	1,891	1,976	2,152
Arkansas .....	NA	21,458	20,333	NA	NA	NA
California .....	169,465	168,294	162,120	17,840	17,229	17,778
Colorado .....	NA	49,862	39,703	1,731	1,691	1,716
Connecticut .....	NA	31,048	32,211	1,932	1,800	1,855
Delaware .....	NA	4,693	3,709	182	187	225
District of Columbia .....	11,361	12,336	12,475	838	824	797
Florida .....	35,211	34,127	32,305	3,679	3,837	3,949
Georgia .....	34,106	35,326	36,427	2,108	2,145	2,141
Hawaii .....	1,135	1,193	1,184	138	147	146
Idaho .....	10,591	9,455	8,686	380	366	561
Illinois .....	135,302	129,429	124,604	6,770	6,783	7,135
Indiana .....	NA	NA	55,943	NA	2,160	2,720
Iowa .....	30,233	32,161	28,056	1,232	1,275	1,521
Kansas .....	26,811	29,444	25,922	1,463	1,424	1,327
Kentucky .....	24,178	25,178	23,440	1,123	1,097	1,011
Louisiana .....	NA	18,477	17,005	NA	NA	NA
Maine .....	NA	1,749	1,846	NA	NA	365
Maryland .....	NA	41,031	37,671	NA	2,449	NA
Massachusetts .....	54,005	44,851	43,576	4,088	3,542	4,788
Michigan .....	117,615	127,400	125,544	5,010	5,484	7,380
Minnesota .....	NA	64,968	59,047	NA	3,356	3,423
Mississippi .....	NA	15,700	13,766	NA	1,068	1,159
Missouri .....	45,243	48,448	42,228	1,920	2,016	2,218
Montana .....	10,082	9,280	8,637	413	425	584
Nebraska .....	19,862	20,068	18,912	929	975	1,268
Nevada .....	15,688	15,599	17,067	1,190	1,208	1,373
New Hampshire .....	NA	5,831	5,703	280	328	NA
New Jersey .....	95,660	99,898	112,142	5,972	6,158	6,522
New Mexico .....	18,199	17,612	17,691	953	962	1,208
New York .....	219,029	220,965	275,812	23,434	23,473	22,237
North Carolina .....	25,982	27,571	28,429	1,440	1,512	1,621
North Dakota .....	NA	6,792	6,800	NA	282	286
Ohio .....	107,454	125,201	116,746	4,222	4,627	5,634
Oklahoma .....	NA	32,959	28,156	1,222	1,170	1,343
Oregon .....	20,482	19,996	19,478	1,008	1,090	1,430
Pennsylvania .....	96,020	98,190	95,861	5,317	5,165	5,915
Rhode Island .....	NA	9,520	9,080	522	409	526
South Carolina .....	14,396	14,717	14,639	1,047	1,081	1,162
South Dakota .....	6,617	6,668	6,369	266	277	310
Tennessee .....	NA	37,925	35,673	1,928	1,884	NA
Texas .....	119,075	132,126	122,877	11,030	9,761	10,239
Utah .....	22,193	20,183	18,450	998	953	1,057
Vermont .....	1,704	1,843	1,842	75	72	108
Virginia .....	40,608	40,924	42,921	2,650	2,603	2,765
Washington .....	NA	35,043	34,005	NA	NA	NA
West Virginia .....	26,624	17,580	17,577	2,556	2,265	2,460
Wisconsin .....	52,836	54,685	49,701	2,976	2,281	2,597
Wyoming .....	7,286	6,324	6,290	220	8470	420
<b>Total .....</b>	<b>2,118,326</b>	<b>2,129,536</b>	<b>2,114,494</b>	<b>149,766</b>	<b><sup>R</sup>144,716</b>	<b>156,909</b>

See footnotes at end of table.

**Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 2000-2002**

(Million Cubic Feet) — Continued

State	2002					2001
	May	April	March	February	January	Total
Alabama .....	1,353	1,901	3,226	3,530	4,000	26,344
Alaska .....	NA	1,688	1,831	1,782	1,970	18,327
Arizona .....	2,399	2,779	3,482	4,105	4,450	31,601
Arkansas .....	NA	NA	NA	7,636	NA	31,943
California .....	20,446	20,574	22,685	24,573	28,341	247,188
Colorado .....	3,020	NA	8,062	9,076	11,290	68,209
Connecticut .....	2,263	3,804	4,916	NA	5,464	41,977
Delaware .....	364	NA	NA	892	1,039	6,218
District of Columbia .....	969	1,247	2,030	2,204	2,452	16,657
Florida .....	4,011	4,478	5,175	4,782	5,299	50,046
Georgia .....	2,632	2,989	5,826	7,566	8,700	51,713
Hawaii .....	139	143	138	138	145	1,749
Idaho .....	870	1,386	2,091	2,493	2,444	13,662
Illinois .....	11,256	19,182	27,134	26,191	30,850	188,932
Indiana .....	3,750	6,995	10,863	11,356	12,783	NA
Iowa .....	2,086	3,885	6,436	6,362	7,436	NA
Kansas .....	1,750	3,223	5,301	5,633	6,690	38,930
Kentucky .....	1,825	2,600	5,481	5,567	5,473	35,555
Louisiana .....	NA	NA	NA	4,524	4,382	25,916
Maine .....	NA	NA	679	701	735	NA
Maryland .....	3,173	4,459	7,649	8,073	8,404	59,932
Massachusetts .....	5,626	7,139	8,517	10,392	9,914	62,079
Michigan .....	11,311	17,809	20,604	24,282	25,734	175,657
Minnesota .....	6,149	9,366	NA	11,181	12,941	92,616
Mississippi .....	1,023	1,691	2,592	2,814	3,229	21,528
Missouri .....	4,053	5,728	8,756	9,749	10,802	64,937
Montana .....	977	1,449	2,076	1,898	2,260	13,311
Nebraska .....	1,670	3,063	4,044	4,328	3,584	26,911
Nevada .....	1,575	1,798	2,730	2,789	3,026	22,825
New Hampshire .....	653	NA	1,195	1,296	1,272	7,853
New Jersey .....	10,873	12,326	14,247	18,908	20,655	136,617
New Mexico .....	1,627	2,395	3,415	3,981	3,658	24,864
New York .....	22,221	27,762	32,526	33,808	33,569	336,429
North Carolina .....	1,902	2,856	4,775	5,587	6,287	38,555
North Dakota .....	656	980	NA	1,374	1,747	10,552
Ohio .....	9,417	14,572	22,678	23,735	22,570	171,937
Oklahoma .....	1,868	3,696	5,338	6,986	NA	42,725
Oregon .....	2,042	2,642	3,449	3,969	4,853	28,056
Pennsylvania .....	8,609	13,511	17,933	19,527	20,045	137,064
Rhode Island .....	824	1,151	NA	1,641	NA	12,805
South Carolina .....	1,284	1,607	2,461	2,739	3,016	20,599
South Dakota .....	555	968	1,414	1,309	1,518	9,710
Tennessee .....	2,599	4,325	6,459	7,390	9,170	49,973
Texas .....	10,707	14,767	22,571	16,135	23,864	184,973
Utah .....	1,627	2,239	4,189	5,275	5,854	31,206
Vermont .....	161	249	294	383	362	2,473
Virginia .....	3,598	4,231	7,654	8,130	8,978	59,344
Washington .....	3,769	5,211	6,184	6,765	8,576	57,360
West Virginia .....	2,841	3,482	4,376	3,986	4,658	27,722
Wisconsin .....	4,513	6,634	11,404	10,392	12,040	78,833
Wyoming .....	630	1,000	1,391	994	2,161	9,195
<b>Total .....</b>	<b>192,566</b>	<b>271,372</b>	<b>375,411</b>	<b>394,021</b>	<b>433,567</b>	<b>3,037,197</b>

See footnotes at end of table.

**Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 2000-2002**  
(Million Cubic Feet) — Continued

State	2001					
	December	November	October	September	August	July
Alabama .....	2,291	1,816	1,625	1,177	1,101	1,079
Alaska .....	2,533	2,148	1,687	998	856	814
Arizona .....	3,722	2,313	1,882	1,834	1,767	1,781
Arkansas .....	3,684	2,888	2,072	1,841	1,693	1,215
California .....	25,418	18,980	18,243	16,253	17,221	15,534
Colorado .....	9,083	4,633	2,598	2,033	1,799	2,251
Connecticut .....	3,951	3,010	2,263	1,706	1,949	1,632
Delaware .....	571	433	317	203	175	197
District of Columbia .....	1,515	1,224	801	781	628	903
Florida .....	4,332	4,172	3,748	3,666	3,475	3,462
Georgia .....	6,450	4,086	3,607	2,245	2,138	2,118
Hawaii .....	136	137	138	145	140	148
Idaho .....	1,932	1,133	657	485	396	449
Illinois .....	25,145	14,389	12,107	7,862	6,349	6,170
Indiana .....	9,205	6,280	5,007	NA	NA	NA
Iowa .....	NA	3,552	2,881	1,613	995	1,107
Kansas .....	4,255	2,290	1,571	1,369	1,451	1,576
Kentucky .....	4,618	2,829	1,783	1,147	1,124	1,023
Louisiana .....	2,514	1,855	1,574	1,496	1,490	1,423
Maine .....	329	NA	140	84	69	68
Maryland .....	6,126	5,196	4,474	3,105	2,585	2,635
Massachusetts .....	6,499	4,722	3,222	2,785	2,321	2,157
Michigan .....	19,320	13,386	9,549	6,002	5,163	5,218
Minnesota .....	12,119	6,442	6,089	2,999	2,955	2,773
Mississippi .....	1,964	1,625	1,211	1,029	1,124	1,060
Missouri .....	7,426	4,148	2,767	2,147	1,991	2,064
Montana .....	1,771	1,147	725	387	363	383
Nebraska .....	3,183	1,677	1,020	963	909	1,040
Nevada .....	2,788	1,795	1,407	1,236	1,255	1,254
New Hampshire .....	921	605	262	233	219	128
New Jersey .....	14,245	10,385	6,907	5,181	4,278	4,881
New Mexico .....	3,348	1,469	1,390	1,044	967	1,020
New York .....	35,898	25,304	25,920	28,343	27,115	24,698
North Carolina .....	4,053	2,971	2,299	1,660	1,478	1,606
North Dakota .....	1,641	1,006	788	325	316	336
Ohio .....	20,210	11,018	9,910	5,598	4,650	5,159
Oklahoma .....	4,167	2,249	1,772	1,578	1,763	1,904
Oregon .....	3,349	2,257	1,287	1,168	1,032	1,087
Pennsylvania .....	15,610	10,145	8,349	4,770	4,235	4,128
Rhode Island .....	1,223	935	636	491	464	460
South Carolina .....	1,868	1,597	1,300	1,117	1,063	1,067
South Dakota .....	1,379	780	600	282	295	268
Tennessee .....	4,663	3,064	2,297	2,025	1,738	2,022
Texas .....	20,605	12,613	10,496	9,133	13,286	10,890
Utah .....	5,296	2,895	1,850	982	932	934
Vermont .....	241	189	108	92	72	74
Virginia .....	6,519	5,205	3,752	2,944	2,757	2,512
Washington .....	9,237	6,930	4,195	1,956	1,961	2,097
West Virginia .....	3,713	2,577	2,563	1,288	1,138	832
Wisconsin .....	10,359	5,906	5,292	2,592	2,007	2,314
Wyoming .....	939	1,049	584	299	203	247
<b>Total .....</b>	<b>346,835</b>	<b>229,710</b>	<b>187,722</b>	<b>143,395</b>	<b>137,652</b>	<b>132,011</b>

See footnotes at end of table.

**Table 16. Natural Gas Deliveries to Commercial Consumers, by State, 2000-2002**

(Million Cubic Feet) — Continued

State	2001					
	June	May	April	March	February	January
Alabama .....	1,194	1,504	2,319	2,949	3,903	5,385
Alaska .....	873	1,279	1,410	1,894	1,839	1,995
Arizona .....	1,972	2,317	2,810	3,466	3,759	3,981
Arkansas .....	1,546	1,168	1,784	3,945	4,216	5,892
California .....	15,716	16,985	26,490	22,690	25,858	27,800
Colorado .....	2,917	4,718	6,845	9,385	10,179	11,768
Connecticut .....	2,471	2,386	4,268	5,652	5,993	6,697
Delaware .....	242	312	663	1,007	952	1,145
District of Columbia .....	851	1,119	1,937	2,198	2,271	2,429
Florida .....	3,641	3,973	4,240	4,551	5,257	5,528
Georgia .....	2,174	2,443	3,362	6,576	6,486	10,029
Hawaii .....	151	145	150	154	151	154
Idaho .....	517	748	1,193	1,594	2,240	2,318
Illinois .....	6,217	7,787	12,159	26,168	30,068	34,511
Indiana .....	NA	NA	5,485	NA	NA	NA
Iowa .....	1,425	1,811	3,538	6,633	7,762	8,891
Kansas .....	1,282	1,491	3,107	5,747	6,595	8,195
Kentucky .....	937	1,402	2,360	4,906	5,480	7,947
Louisiana .....	1,526	1,653	1,860	3,048	3,277	4,200
Maine .....	64	107	194	358	408	481
Maryland .....	2,747	3,491	5,080	7,309	7,380	9,805
Massachusetts .....	2,668	3,908	6,724	8,588	8,839	9,648
Michigan .....	6,157	8,669	16,610	25,979	27,509	32,095
Minnesota .....	3,170	4,156	7,444	13,019	15,176	16,275
Mississippi .....	1,019	1,175	1,579	2,486	3,000	4,257
Missouri .....	2,206	2,705	5,395	9,201	10,942	13,945
Montana .....	492	767	1,254	965	2,796	2,261
Nebraska .....	1,132	1,508	2,814	4,218	4,666	3,782
Nevada .....	1,347	1,553	1,970	2,549	2,817	2,853
New Hampshire .....	190	510	990	1,201	1,405	1,187
New Jersey .....	4,463	7,525	13,566	19,385	21,369	24,431
New Mexico .....	1,087	1,420	2,600	2,510	3,989	4,021
New York .....	21,601	21,554	22,978	31,065	34,539	37,415
North Carolina .....	1,594	2,047	3,190	4,630	5,346	7,680
North Dakota .....	280	400	810	1,078	1,791	1,780
Ohio .....	5,389	7,509	14,670	24,756	29,422	33,647
Oklahoma .....	1,551	2,010	3,670	6,105	6,810	9,146
Oregon .....	1,365	2,032	2,755	3,470	3,967	4,288
Pennsylvania .....	5,025	6,681	12,504	20,029	20,575	25,012
Rhode Island .....	511	743	1,382	1,882	1,930	2,149
South Carolina .....	1,109	1,317	1,834	2,195	2,542	3,589
South Dakota .....	303	410	802	1,404	1,676	1,512
Tennessee .....	1,907	2,173	4,400	6,121	7,729	11,835
Texas .....	10,554	12,079	14,415	19,512	21,878	29,512
Utah .....	973	1,385	2,538	3,315	4,551	5,556
Vermont .....	108	136	276	356	374	447
Virginia .....	2,553	3,035	4,711	7,199	7,950	10,207
Washington .....	2,696	3,863	4,948	5,683	6,745	7,049
West Virginia .....	1,297	1,241	2,637	2,889	3,379	4,169
Wisconsin .....	2,559	3,161	5,576	12,678	12,640	13,749
Wyoming .....	344	469	863	1,212	1,378	1,608
<b>Total .....</b>	<b>136,844</b>	<b>166,022</b>	<b>257,155</b>	<b>376,183</b>	<b>423,884</b>	<b>499,786</b>

<sup>R</sup> Revised Data.

NA Not Available.

**Notes:** Geographic coverage is the 50 States and the District of Columbia. Gas volumes delivered for use as vehicle fuel are included in the annual

total but not in the monthly components. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

**Source:** Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

**Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 2000-2002**  
(Million Cubic Feet)

State	YTD 2002	YTD 2001	YTD 2000	2002		
				August	July	June
Alabama .....	109,288	105,573	130,600	12,590	12,904	13,345
Alaska .....	NA	49,393	51,875	6,427	7,470	NA
Arizona .....	NA	18,459	16,469	1,600	NA	1,569
Arkansas .....	NA	80,338	88,826	8,785	NA	8,716
California .....	707,679	918,847	862,808	114,722	113,919	91,838
Colorado .....	NA	60,800	59,165	NA	NA	NA
Connecticut .....	NA	17,169	23,412	2,068	2,467	2,275
Delaware .....	NA	16,819	22,555	1,761	1,572	1,204
District of Columbia .....	0	0	0	0	0	0
Florida .....	88,412	84,154	97,139	10,967	10,363	9,872
Georgia .....	99,092	98,433	120,139	13,317	12,564	11,851
Hawaii .....	332	373	360	42	47	36
Idaho <sup>a</sup> .....	NA	20,851	21,552	NA	NA	2,065
Illinois .....	NA	204,396	221,973	28,228	NA	25,832
Indiana .....	179,114	NA	208,629	21,221	21,666	18,870
Iowa .....	58,151	NA	65,545	6,245	5,980	5,983
Kansas .....	NA	64,914	74,065	NA	9,165	7,470
Kentucky .....	62,309	62,549	68,108	6,633	7,046	7,231
Louisiana .....	NA	699,019	564,997	79,010	73,673	NA
Maine .....	NA	1,303	2,269	40	NA	NA
Maryland .....	NA	24,071	30,380	NA	3,267	NA
Massachusetts .....	NA	96,634	102,527	10,044	NA	8,028
Michigan .....	193,843	198,950	206,201	20,533	22,530	22,398
Minnesota .....	NA	56,757	68,487	NA	6,490	6,513
Mississippi .....	65,553	63,966	76,327	8,185	<sup>R</sup> 8,636	7,763
Missouri .....	44,434	46,944	45,176	4,593	4,511	4,525
Montana .....	14,064	14,036	15,781	1,367	1,311	1,508
Nebraska .....	26,200	26,304	30,245	4,786	5,505	1,829
Nevada .....	53,206	30,703	28,160	7,326	7,324	6,717
New Hampshire .....	NA	2,358	3,196	NA	NA	321
New Jersey .....	NA	123,566	139,150	NA	15,097	14,551
New Mexico .....	NA	26,000	17,141	1,433	1,521	NA
New York .....	NA	204,182	229,065	NA	17,590	19,281
North Carolina .....	64,365	55,926	72,922	7,741	7,016	7,220
North Dakota .....	NA	12,772	9,764	NA	1,001	1,403
Ohio .....	182,349	192,730	222,024	22,229	21,046	21,095
Oklahoma .....	74,953	90,818	117,531	9,452	9,270	<sup>R</sup> 7,753
Oregon .....	58,417	64,293	72,191	7,853	5,862	5,434
Pennsylvania .....	140,011	142,433	169,656	15,819	14,980	15,369
Rhode Island .....	36,623	36,842	32,088	5,339	4,813	3,853
South Carolina .....	65,105	49,142	68,146	7,612	7,690	8,170
South Dakota .....	2,870	2,899	3,922	330	419	341
Tennessee .....	NA	88,180	84,025	8,960	8,585	NA
Texas .....	NA	1,368,316	1,422,800	NA	<sup>R</sup> 167,698	171,890
Utah .....	NA	23,072	26,079	2,055	NA	NA
Vermont .....	1,997	1,634	2,564	194	184	192
Virginia .....	61,474	50,608	68,217	10,773	10,387	7,429
Washington .....	NA	91,214	80,231	NA	NA	NA
West Virginia .....	NA	26,321	30,628	1,231	1,068	1,264
Wisconsin .....	96,109	100,376	104,477	9,215	9,168	8,811
Wyoming .....	NA	19,567	25,442	2,719	2,549	2,594
<b>Total .....</b>	<b>5,755,072</b>	<b>6,075,807</b>	<b>6,305,030</b>	<b>746,162</b>	<b><sup>R</sup>730,781</b>	<b><sup>R</sup>684,950</b>

See footnotes at end of table.



**Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 2000-2002**

(Million Cubic Feet) — Continued

State	2002					2001
	May	April	March	February	January	Total
Alabama .....	13,725	13,707	14,511	14,121	14,385	156,131
Alaska .....	6,278	5,188	5,085	5,757	6,235	72,352
Arizona .....	1,616	1,618	1,752	1,804	1,949	25,912
Arkansas .....	9,219	9,431	10,569	9,546	9,333	125,489
California .....	72,827	69,617	84,892	74,271	85,592	1,325,103
Colorado .....	NA	NA	NA	NA	NA	83,340
Connecticut .....	2,420	NA	NA	2,202	3,132	24,757
Delaware .....	1,269	NA	NA	1,916	2,266	25,769
District of Columbia .....	0	0	0	0	0	0
Florida .....	10,941	12,642	11,519	10,653	11,457	127,590
Georgia .....	12,737	12,076	12,880	11,711	11,957	147,860
Hawaii .....	43	42	39	40	42	532
Idaho <sup>a</sup> .....	2,299	2,377	2,561	2,553	2,765	30,363
Illinois .....	24,665	28,850	30,251	27,460	27,067	296,647
Indiana .....	19,931	22,415	24,920	24,365	25,727	NA
Iowa .....	7,383	7,883	8,183	7,896	8,599	NA
Kansas .....	7,748	6,855	8,086	7,503	7,978	95,009
Kentucky .....	8,082	7,401	8,487	8,622	8,808	93,411
Louisiana .....	86,511	76,466	83,591	90,947	98,617	1,090,032
Maine .....	NA	47	28	0	1	2,414
Maryland .....	2,583	3,534	3,901	3,605	NA	NA
Massachusetts .....	9,287	7,257	12,909	8,062	11,950	NA
Michigan .....	22,373	25,545	25,610	27,215	27,638	292,033
Minnesota .....	6,714	7,590	7,427	7,021	7,568	87,449
Mississippi .....	7,904	7,893	8,849	7,921	8,402	NA
Missouri .....	5,698	5,724	7,033	5,870	6,480	69,243
Montana .....	1,622	2,229	1,881	2,074	2,071	20,884
Nebraska .....	2,752	2,687	2,280	3,117	3,244	39,200
Nevada .....	5,314	4,889	7,404	7,311	6,922	49,174
New Hampshire .....	312	293	350	267	309	3,681
New Jersey .....	13,471	15,889	16,102	15,497	15,567	189,987
New Mexico .....	1,466	1,766	1,793	1,777	1,951	34,676
New York .....	19,393	NA	23,648	23,697	25,206	299,289
North Carolina .....	8,029	7,792	8,953	8,759	8,856	88,705
North Dakota .....	1,130	1,071	1,119	1,117	1,417	17,788
Ohio .....	22,775	21,917	23,935	24,122	25,231	285,933
Oklahoma .....	8,949	8,840	<sup>R</sup> 9,759	<sup>R</sup> 9,648	<sup>R</sup> 11,281	122,795
Oregon .....	6,685	7,599	8,509	8,691	7,783	96,160
Pennsylvania .....	16,382	17,224	19,674	18,795	21,767	216,124
Rhode Island .....	4,186	3,809	4,075	4,646	5,901	59,140
South Carolina .....	8,163	8,004	8,558	8,373	8,535	79,366
South Dakota .....	264	341	486	318	372	4,234
Tennessee .....	8,752	9,376	9,345	11,755	11,223	134,764
Texas .....	171,429	178,076	158,682	149,315	162,656	2,002,798
Utah .....	2,192	2,023	2,353	2,450	2,655	33,858
Vermont .....	224	240	311	317	335	2,659
Virginia .....	7,297	7,371	5,208	6,429	6,581	NA
Washington .....	6,708	6,827	9,677	NA	9,058	NA
West Virginia .....	1,473	1,489	1,565	1,498	NA	40,633
Wisconsin .....	11,101	12,554	15,417	14,101	15,743	148,926
Wyoming .....	3,039	NA	1,943	2,722	3,058	30,142
<b>Total .....</b>	<b>687,320</b>	<b>696,083</b>	<b><sup>R</sup>736,855</b>	<b><sup>R</sup>709,292</b>	<b><sup>R</sup>763,629</b>	<b>9,016,067</b>

See footnotes at end of table.

**Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 2000-2002**  
(Million Cubic Feet) — Continued

State	2001					
	December	November	October	September	August	July
Alabama .....	12,880	11,497	13,702	12,479	12,607	12,248
Alaska .....	5,757	5,339	5,720	6,144	6,807	6,637
Arizona .....	2,138	1,814	1,676	1,825	1,984	2,804
Arkansas .....	11,819	11,448	12,074	9,810	9,442	9,023
California .....	98,074	88,425	103,404	116,352	126,970	117,280
Colorado .....	6,153	6,567	5,018	4,801	6,041	5,400
Connecticut .....	1,602	2,042	2,107	1,837	1,885	2,365
Delaware .....	2,106	2,317	2,529	1,999	1,838	1,865
District of Columbia .....	0	0	0	0	0	0
Florida .....	10,286	11,437	10,498	11,215	10,777	11,725
Georgia .....	11,565	11,656	13,489	12,719	13,285	12,134
Hawaii .....	42	37	41	39	47	50
Idaho <sup>a</sup> .....	2,539	2,462	2,377	2,135	2,109	2,431
Illinois .....	23,929	24,037	25,415	18,871	23,273	24,006
Indiana .....	23,373	21,048	21,265	NA	20,496	NA
Iowa .....	NA	8,271	7,856	7,091	7,311	NA
Kansas .....	7,414	7,277	6,766	8,638	9,968	8,833
Kentucky .....	8,611	8,039	7,233	6,978	6,507	6,648
Louisiana .....	99,671	96,739	100,335	94,269	96,050	86,068
Maine .....	332	261	308	210	208	186
Maryland .....	NA	3,081	NA	2,932	4,174	3,179
Massachusetts .....	NA	10,883	11,256	10,391	12,636	10,817
Michigan .....	26,295	25,389	22,066	19,333	20,378	20,990
Minnesota .....	7,574	7,868	7,598	7,652	6,898	5,898
Mississippi .....	7,984	NA	6,995	7,692	7,464	7,299
Missouri .....	7,387	5,448	5,059	4,406	4,993	4,870
Montana .....	1,969	2,086	1,555	1,239	1,334	1,494
Nebraska .....	3,079	3,909	2,532	3,375	3,739	5,233
Nevada .....	4,184	4,115	5,412	4,761	5,416	4,251
New Hampshire .....	395	354	321	253	201	266
New Jersey .....	15,291	17,125	16,676	17,330	18,019	17,198
New Mexico .....	2,363	2,436	1,905	1,972	2,095	6,145
New York .....	22,952	21,148	25,108	25,898	30,211	26,569
North Carolina .....	8,442	7,954	8,989	7,394	7,839	6,997
North Dakota .....	1,122	1,070	1,463	1,361	1,797	815
Ohio .....	28,054	23,139	22,320	19,690	18,118	19,353
Oklahoma .....	8,183	7,796	8,660	7,338	7,483	10,603
Oregon .....	8,257	7,852	8,289	7,469	7,091	7,472
Pennsylvania .....	19,828	18,003	17,709	18,151	17,375	15,310
Rhode Island .....	6,000	4,522	5,999	5,777	6,065	5,269
South Carolina .....	7,761	7,229	8,408	6,827	7,129	6,652
South Dakota .....	369	345	332	289	261	261
Tennessee .....	12,127	11,657	13,539	9,259	10,472	9,870
Texas .....	159,482	160,435	160,949	153,616	159,843	165,946
Utah .....	2,423	2,588	3,045	2,730	2,367	2,640
Vermont .....	316	266	240	202	181	165
Virginia .....	9,776	NA	NA	8,702	9,294	8,016
Washington .....	8,157	9,297	NA	10,194	11,258	12,199
West Virginia .....	3,498	4,599	2,609	3,606	3,070	3,290
Wisconsin .....	13,889	12,256	12,491	9,914	9,662	9,058
Wyoming .....	2,872	2,629	2,671	2,403	2,374	2,286
<b>Total .....</b>	<b>748,592</b>	<b>725,463</b>	<b>747,069</b>	<b>719,135</b>	<b>756,842</b>	<b>736,289</b>

See footnotes at end of table.

**Table 17. Natural Gas Deliveries to Industrial Consumers, by State, 2000-2002**

(Million Cubic Feet) — Continued

State	2001					
	June	May	April	March	February	January
Alabama .....	12,386	13,066	13,203	14,748	13,289	14,026
Alaska .....	5,235	5,728	6,151	6,487	5,805	6,543
Arizona .....	2,266	2,379	2,002	2,267	2,460	2,298
Arkansas .....	9,010	10,221	10,471	11,428	9,777	10,966
California .....	113,462	114,391	110,102	109,447	108,390	118,805
Colorado .....	8,162	6,786	8,626	8,042	8,039	9,703
Connecticut .....	2,111	2,302	2,065	2,199	2,053	2,189
Delaware .....	1,839	1,579	2,205	2,354	2,588	2,551
District of Columbia .....	0	0	0	0	0	0
Florida .....	10,326	10,925	10,437	10,251	9,233	10,481
Georgia .....	11,733	12,021	13,820	13,094	11,511	10,835
Hawaii .....	46	46	47	44	43	51
Idaho <sup>a</sup> .....	2,428	2,517	2,661	2,777	2,826	3,101
Illinois .....	20,129	24,389	23,815	29,170	29,292	30,323
Indiana .....	19,065	19,635	20,256	25,296	24,195	27,925
Iowa .....	6,987	7,912	8,120	9,066	8,810	9,554
Kansas .....	6,545	5,682	7,543	8,424	8,460	9,461
Kentucky .....	6,391	6,533	9,833	7,311	8,595	10,733
Louisiana .....	78,110	83,255	86,938	93,526	86,175	88,896
Maine .....	195	167	51	76	314	107
Maryland .....	3,115	2,475	2,627	2,958	2,627	2,916
Massachusetts .....	10,866	12,359	11,603	11,651	13,239	13,462
Michigan .....	21,823	22,132	26,777	29,494	27,728	29,628
Minnesota .....	5,750	5,771	7,290	8,357	8,061	8,734
Mississippi .....	7,475	7,919	7,940	9,236	6,432	10,201
Missouri .....	4,496	4,620	5,627	5,699	7,933	8,705
Montana .....	1,227	1,228	1,867	2,220	2,222	2,444
Nebraska .....	2,615	2,590	3,156	2,770	2,967	3,235
Nevada .....	3,878	2,622	2,322	3,628	4,466	4,120
New Hampshire .....	277	397	163	378	336	340
New Jersey .....	15,245	14,195	15,781	15,033	13,187	14,908
New Mexico .....	3,297	3,553	3,296	2,625	2,536	2,454
New York .....	27,432	23,428	24,619	24,461	23,790	23,673
North Carolina .....	7,026	6,697	6,704	7,491	6,309	6,863
North Dakota .....	2,014	1,855	2,198	1,231	1,553	1,310
Ohio .....	19,767	20,690	23,206	28,172	28,382	35,041
Oklahoma .....	10,182	12,669	12,464	12,596	14,486	10,335
Oregon .....	7,633	7,637	8,199	8,910	9,919	7,431
Pennsylvania .....	14,559	16,638	17,920	20,217	19,879	20,536
Rhode Island .....	4,852	5,197	3,625	5,389	2,954	3,491
South Carolina .....	6,245	6,103	6,097	6,657	5,548	4,712
South Dakota .....	255	331	372	451	453	515
Tennessee .....	10,227	10,118	12,554	11,605	11,208	12,126
Texas .....	153,176	170,359	177,893	191,134	170,055	179,910
Utah .....	2,866	2,965	3,001	2,766	3,278	3,190
Vermont .....	176	207	242	309	183	172
Virginia .....	4,659	5,793	4,896	4,756	6,321	6,874
Washington .....	10,633	11,763	11,415	11,824	11,331	10,791
West Virginia .....	2,975	3,132	3,335	3,313	3,457	3,749
Wisconsin .....	9,000	9,418	11,397	19,281	16,412	16,149
Wyoming .....	2,398	2,339	2,155	2,485	2,461	3,068
<b>Total .....</b>	<b>692,563</b>	<b>726,730</b>	<b>759,085</b>	<b>813,101</b>	<b>771,566</b>	<b>819,633</b>

<sup>a</sup> Small volumes of natural gas representing onsystem sales to industrial consumers in Idaho are included in the annual total but not in monthly components.

<sup>R</sup> Revised Data.

<sup>NA</sup> Not Available.

**Notes:** Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

**Source:** Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

**Table 18. Natural Gas Deliveries to Electric Utility<sup>a</sup> Consumers, by State, 2000-2002**  
(Million Cubic Feet)

State	YTD 2002	YTD 2001	YTD 2000	2002		
				August	July	June
Alabama .....	63,765	40,650	25,648	9,141	<sup>R</sup> 9,147	7,762
Alaska .....	20,480	21,247	22,901	2,494	<sup>R</sup> 2,841	2,508
Arizona .....	37,379	82,381	55,015	7,250	<sup>R</sup> 7,776	6,415
Arkansas .....	14,998	16,264	28,770	2,948	<sup>R</sup> 4,181	3,086
California .....	59,212	87,826	85,792	9,906	<sup>R</sup> 10,883	6,281
Colorado .....	29,529	31,147	20,131	4,052	<sup>R</sup> 4,978	3,988
Connecticut .....	0	0	0	0	<sup>R</sup> 0	0
Delaware .....	211	167	4,313	51	<sup>R</sup> 111	21
District of Columbia .....	0	0	0	0	<sup>R</sup> 0	0
Florida .....	304,971	197,647	232,821	50,307	<sup>R</sup> 48,094	45,268
Georgia .....	11,728	9,541	18,654	2,464	<sup>R</sup> 3,618	1,810
Hawaii .....	0	0	0	0	<sup>R</sup> 0	0
Idaho .....	400	0	0	32	<sup>R</sup> 226	70
Illinois .....	2,839	3,151	2,070	322	<sup>R</sup> 463	106
Indiana .....	9,560	5,025	3,666	1,460	<sup>R</sup> 2,249	1,507
Iowa .....	5,008	4,519	3,487	797	<sup>R</sup> 1,235	742
Kansas .....	17,365	18,658	26,055	4,206	<sup>R</sup> 5,680	2,916
Kentucky .....	6,758	3,067	2,866	1,438	<sup>R</sup> 2,285	1,260
Louisiana .....	178,192	165,206	208,618	30,374	<sup>R</sup> 28,973	25,714
Maine .....	0	0	0	0	<sup>R</sup> 0	0
Maryland .....	15	3	15,790	4	<sup>R</sup> 7	3
Massachusetts .....	1,532	1,231	2,547	528	<sup>R</sup> 343	107
Michigan .....	22,915	21,739	30,585	4,370	<sup>R</sup> 5,754	3,043
Minnesota .....	4,869	4,431	4,106	918	<sup>R</sup> 2,161	788
Mississippi .....	128,070	73,993	70,655	18,362	<sup>R</sup> 20,553	16,205
Missouri .....	22,823	21,908	23,795	4,900	<sup>R</sup> 4,617	2,200
Montana .....	88	141	153	19	<sup>R</sup> 28	32
Nebraska .....	3,685	3,370	3,876	858	<sup>R</sup> 1,284	624
Nevada .....	40,484	50,432	49,247	7,233	<sup>R</sup> 6,443	5,683
New Hampshire .....	579	21	783	311	<sup>R</sup> 79	108
New Jersey .....	984	1,113	16,738	386	<sup>R</sup> 198	93
New Mexico .....	21,799	28,821	29,307	3,739	<sup>R</sup> 4,735	2,959
New York .....	76,271	53,598	74,781	16,139	<sup>R</sup> 15,214	10,770
North Carolina .....	14,842	9,455	8,424	4,512	<sup>R</sup> 4,577	2,886
North Dakota .....	1	2	0	0	<sup>R</sup> 0	0
Ohio .....	8,215	4,747	5,587	1,986	<sup>R</sup> 2,237	1,702
Oklahoma .....	113,058	113,246	120,960	22,231	<sup>R</sup> 21,075	15,455
Oregon .....	9,799	31,651	23,249	1,145	<sup>R</sup> 754	0
Pennsylvania .....	8	9	2,289	1	<sup>R</sup> 2	1
Rhode Island .....	0	0	0	0	<sup>R</sup> 0	0
South Carolina .....	23,771	1,344	2,638	4,487	<sup>R</sup> 4,904	3,560
South Dakota .....	1,061	4,146	2,188	55	<sup>R</sup> 480	182
Tennessee .....	226	47	1,756	15	<sup>R</sup> 69	0
Texas .....	309,792	717,770	897,325	61,559	<sup>R</sup> 58,006	47,716
Utah .....	6,727	11,848	6,365	1,287	<sup>R</sup> 997	701
Vermont .....	23	105	651	3	<sup>R</sup> 4	3
Virginia .....	14,995	8,957	14,174	3,766	<sup>R</sup> 3,595	2,403
Washington .....	6,342	39,891	20,150	645	<sup>R</sup> 662	327
West Virginia .....	21	26	251	2	<sup>R</sup> 2	3
Wisconsin .....	9,522	9,342	8,837	1,416	<sup>R</sup> 2,833	1,375
Wyoming .....	1,128	1,947	895	123	<sup>R</sup> 139	132
<b>Total .....</b>	<b>1,606,041</b>	<b>1,901,830</b>	<b>2,178,908</b>	<b>288,243</b>	<b><sup>R</sup>294,491</b>	<b>228,513</b>

See footnotes at end of table.

**Table 18. Natural Gas Deliveries to Electric Utility<sup>a</sup> Consumers, by State, 2000-2002**  
(Million Cubic Feet) — Continued

State	2002					2001
	May	April	March	February	January	Total
Alabama .....	6,491	7,190	7,003	7,985	9,046	66,179
Alaska .....	2,378	2,540	2,652	2,326	2,742	32,591
Arizona .....	4,640	3,037	4,002	2,193	2,065	102,515
Arkansas .....	1,323	1,472	766	728	495	21,005
California .....	5,125	5,583	8,955	5,897	6,582	120,098
Colorado .....	3,408	3,654	3,875	2,429	3,145	45,984
Connecticut .....	0	0	0	0	0	0
Delaware .....	6	5	5	6	6	480
District of Columbia .....	0	0	0	0	0	0
Florida .....	39,757	35,551	31,082	24,119	30,791	327,939
Georgia .....	1,565	1,380	344	360	187	12,255
Hawaii .....	0	0	0	0	0	0
Idaho .....	18	0	0	30	23	0
Illinois .....	82	153	721	697	294	5,102
Indiana .....	499	803	1,115	925	1,002	6,359
Iowa .....	481	502	575	296	379	5,754
Kansas .....	833	1,023	1,524	755	429	23,269
Kentucky .....	319	463	424	390	179	4,138
Louisiana .....	22,297	22,083	19,038	15,226	14,488	226,659
Maine .....	0	0	0	0	0	0
Maryland .....	0	1	0	0	0	4
Massachusetts .....	189	22	169	49	126	2,245
Michigan .....	1,854	1,957	2,053	2,414	1,472	33,525
Minnesota .....	234	164	285	130	188	5,144
Mississippi .....	14,460	14,109	14,479	15,085	14,816	126,093
Missouri .....	1,531	2,015	2,762	2,095	2,703	30,353
Montana .....	7	0	1	0	1	146
Nebraska .....	277	264	87	80	210	4,290
Nevada .....	4,881	3,877	4,515	3,760	4,092	68,997
New Hampshire .....	39	11	1	12	18	525
New Jersey .....	72	149	36	26	25	1,224
New Mexico .....	2,501	2,495	2,262	1,866	1,242	38,364
New York .....	7,240	6,076	6,774	7,157	6,901	93,569
North Carolina .....	1,292	967	208	354	46	11,075
North Dakota .....	0	0	0	0	0	3
Ohio .....	460	811	392	522	104	5,127
Oklahoma .....	11,773	12,956	9,889	12,017	7,661	160,871
Oregon .....	388	461	2,358	1,416	3,277	45,013
Pennsylvania .....	1	1	1	1	1	11
Rhode Island .....	0	0	0	0	0	0
South Carolina .....	3,946	2,267	719	1,418	2,470	2,310
South Dakota .....	58	62	61	145	18	4,502
Tennessee .....	0	18	124	0	0	47
Texas .....	36,609	31,252	27,381	21,110	26,160	957,688
Utah .....	935	890	821	560	536	15,155
Vermont .....	3	2	2	3	4	116
Virginia .....	920	1,159	526	789	1,837	17,728
Washington .....	338	518	1,957	967	928	47,031
West Virginia .....	1	3	3	3	3	33
Wisconsin .....	713	1,177	720	778	510	12,041
Wyoming .....	88	141	194	157	156	2,729
<b>Total .....</b>	<b>180,028</b>	<b>169,266</b>	<b>160,864</b>	<b>137,277</b>	<b>147,359</b>	<b>2,686,287</b>

See footnotes at end of table.

**Table 18. Natural Gas Deliveries to Electric Utility<sup>a</sup> Consumers, by State, 2000-2002**  
(Million Cubic Feet) — Continued

State	2001					
	December	November	October	September	August	July
Alabama .....	5,234	6,723	6,818	6,753	8,444	7,979
Alaska .....	3,187	2,947	2,840	2,370	2,596	2,489
Arizona .....	3,823	2,972	6,192	7,147	9,518	10,790
Arkansas .....	409	1,167	1,536	1,629	3,544	3,794
California .....	6,372	6,558	9,419	9,924	12,130	10,244
Colorado .....	3,583	2,859	4,461	3,933	4,228	4,727
Connecticut .....	0	0	0	0	0	0
Delaware .....	21	38	21	232	81	38
District of Columbia .....	0	0	0	0	0	0
Florida .....	30,657	24,882	36,657	38,094	37,241	36,276
Georgia .....	65	33	771	1,845	3,105	2,739
Hawaii .....	0	0	0	0	0	0
Idaho .....	0	0	0	0	0	0
Illinois .....	692	557	449	254	1,048	1,161
Indiana .....	432	526	106	270	1,490	749
Iowa .....	276	246	259	455	1,254	1,129
Kansas .....	787	1,045	1,203	1,576	5,046	7,110
Kentucky .....	277	153	238	404	1,054	842
Louisiana .....	10,113	9,230	18,076	24,034	35,066	30,160
Maine .....	0	0	0	0	0	0
Maryland .....	0	0	0	0	1	1
Massachusetts .....	175	65	330	444	545	196
Michigan .....	2,194	2,719	4,296	2,577	6,106	5,291
Minnesota .....	128	176	191	218	1,477	1,274
Mississippi .....	9,531	9,174	14,187	19,208	18,050	17,767
Missouri .....	1,842	1,823	1,972	2,808	6,170	6,100
Montana .....	0	1	1	3	46	61
Nebraska .....	249	244	247	181	695	1,189
Nevada .....	5,303	4,300	4,813	4,150	5,764	5,622
New Hampshire .....	29	0	291	185	20	0
New Jersey .....	14	6	24	67	470	167
New Mexico .....	1,201	2,196	2,901	3,244	4,255	4,913
New York .....	9,065	8,291	11,426	11,188	14,641	12,042
North Carolina .....	159	130	604	727	4,615	2,628
North Dakota .....	0	0	0	0	0	0
Ohio .....	37	90	78	175	1,230	1,235
Oklahoma .....	9,148	9,482	12,442	16,554	23,660	27,095
Oregon .....	2,762	3,211	3,831	3,559	4,238	4,237
Pennsylvania .....	0	1	1	1	2	2
Rhode Island .....	0	0	0	0	0	0
South Carolina .....	51	52	801	62	524	357
South Dakota .....	67	24	58	206	665	717
Tennessee .....	0	0	0	0	0	22
Texas .....	41,482	44,887	70,733	82,816	131,137	134,422
Utah .....	706	537	800	1,263	1,260	1,246
Vermont .....	3	3	3	2	2	3
Virginia .....	1,413	2,035	2,281	3,043	3,531	2,525
Washington .....	1,143	1,149	2,345	2,503	3,753	5,383
West Virginia .....	2	2	2	2	7	6
Wisconsin .....	423	543	775	958	2,323	1,844
Wyoming .....	223	192	195	173	186	228
<b>Total .....</b>	<b>153,279</b>	<b>151,268</b>	<b>224,674</b>	<b>255,236</b>	<b>361,218</b>	<b>356,801</b>

See footnotes at end of table.

**Table 18. Natural Gas Deliveries to Electric Utility<sup>a</sup> Consumers, by State, 2000-2002**  
(Million Cubic Feet) — Continued

State	2001					
	June	May	April	March	February	January
Alabama .....	6,636	4,762	3,422	3,725	1,901	3,781
Alaska .....	2,435	2,269	2,441	2,973	2,860	3,185
Arizona .....	10,314	13,186	11,412	10,393	9,900	6,869
Arkansas .....	1,425	1,753	2,515	1,166	394	1,672
California .....	9,875	10,913	11,289	10,550	10,541	12,283
Colorado .....	4,218	3,892	3,972	4,282	3,131	2,698
Connecticut .....	0	0	0	0	0	0
Delaware .....	21	5	5	5	6	7
District of Columbia .....	0	0	0	0	0	0
Florida .....	31,410	25,674	23,026	18,296	11,989	13,735
Georgia .....	1,258	1,152	1,138	91	36	22
Hawaii .....	0	0	0	0	0	0
Idaho .....	0	0	0	0	0	0
Illinois .....	378	268	64	70	80	83
Indiana .....	629	141	412	188	942	474
Iowa .....	488	551	366	327	176	228
Kansas .....	1,911	1,488	927	937	601	637
Kentucky .....	351	307	206	195	51	61
Louisiana .....	19,968	19,894	20,528	13,277	11,965	14,347
Maine .....	0	0	0	0	0	0
Maryland .....	0	0	0	0	0	0
Massachusetts .....	123	223	56	71	8	9
Michigan .....	2,788	1,064	641	1,748	1,577	2,526
Minnesota .....	434	408	275	248	129	187
Mississippi .....	9,677	9,767	9,129	3,864	1,890	3,849
Missouri .....	2,743	2,176	2,183	1,406	653	476
Montana .....	19	7	1	4	0	1
Nebraska .....	420	308	315	280	102	62
Nevada .....	5,582	6,808	5,672	7,718	5,820	7,445
New Hampshire .....	0	0	0	0	0	0
New Jersey .....	252	86	62	56	21	0
New Mexico .....	4,223	4,027	4,041	3,344	2,477	1,540
New York .....	9,024	5,219	4,271	3,065	2,931	2,406
North Carolina .....	1,481	459	222	39	0	11
North Dakota .....	0	1	0	0	0	0
Ohio .....	572	789	412	332	99	78
Oklahoma .....	15,593	11,813	10,450	9,559	6,314	8,763
Oregon .....	4,261	3,457	3,342	3,438	5,127	3,552
Pennsylvania .....	1	1	0	0	0	0
Rhode Island .....	0	0	0	0	0	0
South Carolina .....	280	95	47	10	8	23
South Dakota .....	456	658	637	603	305	105
Tennessee .....	23	0	0	2	0	0
Texas .....	103,978	93,594	80,018	61,577	52,839	60,205
Utah .....	1,509	1,670	1,656	1,536	1,549	1,422
Vermont .....	3	54	2	6	3	31
Virginia .....	1,760	645	332	79	22	62
Washington .....	3,717	5,807	5,803	5,694	5,636	4,099
West Virginia .....	4	4	1	1	1	1
Wisconsin .....	942	757	581	1,019	1,303	573
Wyoming .....	162	256	385	270	230	229
<b>Total .....</b>	<b>261,345</b>	<b>236,407</b>	<b>212,257</b>	<b>172,448</b>	<b>143,619</b>	<b>157,736</b>

<sup>a</sup> Includes all steam electric utility generating plants with a combined capacity of 50 megawatts or greater.

<sup>R</sup> Revised Data.

**Notes:** Geographic coverage is the 50 States and the District of Columbia.  
**Source:** Form EIA-759, "Monthly Power Plant Report."

**Table 19. Natural Gas Deliveries to All Consumers, by State, 2000-2002**  
(Million Cubic Feet)

State	YTD 2002	YTD 2001	YTD 2000	2002		
				August	July	June
Alabama .....	NA	203,033	205,048	NA	<sup>R</sup> 24,218	23,669
Alaska .....	NA	90,953	101,145	10,201	<sup>R</sup> 11,303	NA
Arizona .....	NA	149,970	117,843	11,788	NA	11,521
Arkansas .....	NA	145,120	161,837	NA	NA	NA
California .....	1,290,539	1,530,599	1,450,621	165,966	<sup>R</sup> 166,927	142,269
Colorado .....	NA	233,045	195,587	NA	NA	NA
Connecticut .....	NA	76,963	83,368	4,972	<sup>R</sup> 5,086	NA
Delaware .....	NA	29,068	37,585	2,156	<sup>R</sup> 2,061	1,716
District of Columbia .....	19,651	23,527	23,358	1,152	<sup>R</sup> 1,137	1,143
Florida .....	439,457	327,901	372,935	65,678	<sup>R</sup> 63,073	59,925
Georgia .....	221,177	228,633	255,150	21,433	<sup>R</sup> 21,978	19,511
Hawaii .....	1,832	1,930	1,910	222	<sup>R</sup> 239	224
Idaho .....	NA	43,830	42,607	NA	NA	3,393
Illinois .....	NA	627,795	626,023	44,491	NA	45,314
Indiana .....	NA	NA	369,434	NA	<sup>R</sup> 28,709	27,265
Iowa .....	140,750	NA	142,423	9,681	<sup>R</sup> 9,812	10,109
Kansas .....	NA	167,679	172,585	NA	<sup>R</sup> 17,731	13,701
Kentucky .....	129,504	128,457	131,376	10,297	<sup>R</sup> 11,460	10,630
Louisiana .....	NA	918,936	822,698	NA	NA	NA
Maine .....	NA	3,706	4,785	NA	NA	NA
Maryland .....	NA	123,090	138,290	NA	<sup>R</sup> 7,358	NA
Massachusetts .....	NA	228,867	229,058	17,503	NA	17,442
Michigan .....	579,956	601,866	605,165	36,341	<sup>R</sup> 41,273	46,555
Minnesota .....	NA	212,907	210,157	NA	<sup>R</sup> 15,005	14,198
Mississippi .....	NA	175,001	178,600	NA	<sup>R</sup> 30,975	26,048
Missouri .....	192,795	206,358	187,401	13,488	<sup>R</sup> 13,497	12,091
Montana .....	38,734	37,116	36,847	2,250	<sup>R</sup> 2,218	2,909
Nebraska .....	79,766	83,523	81,313	7,309	<sup>R</sup> 8,657	4,877
Nevada .....	132,044	118,977	113,754	16,689	<sup>R</sup> 16,008	15,069
New Hampshire .....	NA	13,412	14,872	NA	NA	NA
New Jersey .....	NA	378,762	414,166	NA	<sup>R</sup> 26,420	27,416
New Mexico .....	NA	92,817	85,226	6,936	<sup>R</sup> 8,034	NA
New York .....	NA	757,773	857,732	NA	<sup>R</sup> 67,263	67,849
North Carolina .....	143,788	135,661	151,679	14,582	<sup>R</sup> 14,124	13,183
North Dakota .....	NA	26,474	23,667	NA	<sup>R</sup> 1,479	1,937
Ohio .....	512,776	552,172	562,961	34,354	<sup>R</sup> 35,362	38,018
Oklahoma .....	265,471	287,843	309,785	34,454	<sup>R</sup> 33,227	<sup>R</sup> 26,525
Oregon .....	116,604	143,330	141,489	10,846	<sup>R</sup> 8,698	8,477
Pennsylvania .....	392,596	419,810	440,461	25,600	<sup>R</sup> 25,341	28,557
Rhode Island .....	NA	60,414	54,845	6,285	<sup>R</sup> 5,698	5,162
South Carolina .....	122,567	86,189	104,905	13,629	<sup>R</sup> 14,213	13,613
South Dakota .....	19,015	22,297	20,214	890	<sup>R</sup> 1,400	1,159
Tennessee .....	NA	176,721	165,615	11,993	<sup>R</sup> 11,734	NA
Texas .....	NA	2,379,987	2,567,730	NA	<sup>R</sup> 242,202	236,859
Utah .....	NA	89,592	82,249	5,753	NA	NA
Vermont .....	5,665	5,671	7,118	329	<sup>R</sup> 324	422
Virginia .....	163,389	154,282	176,134	18,824	<sup>R</sup> 18,105	14,573
Washington .....	NA	216,139	183,224	NA	NA	NA
West Virginia .....	NA	67,259	70,578	4,901	NA	4,963
Wisconsin .....	245,637	254,552	244,262	16,262	<sup>R</sup> 16,869	16,242
Wyoming .....	NA	35,347	40,297	3,245	NA	3,598
<b>Total .....</b>	<b>12,758,704</b>	<b>13,567,527</b>	<b>13,818,114</b>	<b>1,301,972</b>	<b><sup>R</sup>1,297,801</b>	<b><sup>R</sup>1,233,908</b>

See footnotes at end of table.



**Table 19. Natural Gas Deliveries to All Consumers, by State, 2000-2002**

(Million Cubic Feet) — Continued

State	2002					2001
	May	April	March	February	January	Total
Alabama .....	23,175	26,112	31,773	33,276	36,326	296,198
Alaska .....	NA	10,869	11,753	11,862	13,073	140,070
Arizona .....	10,372	10,112	13,767	14,761	16,062	196,150
Arkansas .....	NA	NA	22,327	25,235	NA	217,561
California .....	133,050	138,889	174,542	168,875	200,021	2,200,654
Colorado .....	NA	NA	NA	NA	NA	321,426
Connecticut .....	NA	NA	NA	NA	14,793	107,298
Delaware .....	2,099	NA	NA	4,199	5,008	41,846
District of Columbia .....	1,528	2,045	3,678	4,192	4,776	30,954
Florida .....	55,618	53,923	49,729	41,448	50,063	521,198
Georgia .....	21,756	22,199	32,748	38,739	42,813	335,170
Hawaii .....	226	234	225	226	236	2,818
Idaho .....	4,424	5,559	7,449	8,519	8,682	63,101
Illinois .....	59,427	90,799	123,508	118,380	130,428	918,503
Indiana .....	32,823	44,318	58,684	58,387	66,310	NA
Iowa .....	13,470	18,779	25,661	24,842	28,395	NA
Kansas .....	13,295	17,416	25,573	25,088	28,373	227,755
Kentucky .....	11,916	14,130	22,554	23,925	24,591	189,881
Louisiana .....	NA	109,756	NA	NA	125,809	NA
Maine .....	NA	NA	842	839	877	NA
Maryland .....	8,843	12,733	21,254	23,560	NA	NA
Massachusetts .....	21,956	24,677	36,234	34,862	39,288	NA
Michigan .....	58,736	81,251	98,236	103,718	113,845	853,359
Minnesota .....	20,932	28,005	NA	35,140	41,268	310,099
Mississippi .....	24,405	25,841	30,073	29,750	32,308	NA
Missouri .....	16,455	24,083	35,528	36,507	41,147	280,152
Montana .....	4,017	5,757	7,165	6,771	7,646	54,443
Nebraska .....	6,539	10,237	12,635	13,746	15,767	115,778
Nevada .....	13,522	12,969	18,374	19,502	19,911	173,605
New Hampshire .....	1,448	NA	2,480	2,628	2,646	19,006
New Jersey .....	34,371	45,879	57,641	64,697	70,583	536,276
New Mexico .....	6,859	9,303	12,417	13,759	12,975	130,277
New York .....	74,710	NA	113,876	117,118	121,907	1,106,112
North Carolina .....	12,994	15,726	21,809	24,269	27,101	195,584
North Dakota .....	2,428	3,079	NA	3,946	5,001	39,016
Ohio .....	49,397	66,266	92,045	95,653	101,680	777,029
Oklahoma .....	25,225	32,122	<sup>R</sup> 35,567	<sup>R</sup> 39,757	<sup>R</sup> 38,594	391,508
Oregon .....	11,891	14,553	19,573	20,172	22,394	207,598
Pennsylvania .....	37,198	52,929	69,327	71,649	81,994	593,814
Rhode Island .....	6,279	6,818	NA	NA	NA	89,882
South Carolina .....	14,226	13,779	16,000	17,162	19,946	129,231
South Dakota .....	1,634	2,602	3,902	3,497	3,932	30,740
Tennessee .....	13,438	19,066	27,253	31,302	35,352	251,529
Texas .....	226,333	239,584	238,887	216,016	255,315	3,367,032
Utah .....	7,031	8,396	15,104	17,561	19,568	135,549
Vermont .....	569	804	954	1,143	1,120	7,967
Virginia .....	14,587	17,126	22,782	26,470	30,922	NA
Washington .....	16,351	20,434	28,089	NA	29,493	NA
West Virginia .....	6,836	8,406	11,549	11,252	NA	102,402
Wisconsin .....	24,180	31,682	47,965	43,245	49,193	370,102
Wyoming .....	4,572	NA	NA	5,312	7,740	53,129
<b>Total .....</b>	<b>1,318,706</b>	<b>1,556,162</b>	<b><sup>R</sup>1,939,546</b>	<b><sup>R</sup>1,944,854</b>	<b><sup>R</sup>2,165,755</b>	<b>19,554,425</b>

See footnotes at end of table.

**Table 19. Natural Gas Deliveries to All Consumers, by State, 2000-2002**

(Million Cubic Feet) — Continued

State	2001					
	December	November	October	September	August	July
Alabama .....	24,746	23,022	23,856	21,540	23,303	22,455
Alaska .....	14,260	12,618	11,908	10,329	10,797	10,459
Arizona .....	14,695	8,752	10,903	11,830	14,253	16,430
Arkansas .....	21,968	19,086	17,295	14,092	15,526	15,048
California .....	193,603	152,713	160,040	163,699	178,624	167,047
Colorado .....	36,012	22,630	16,157	13,582	14,530	15,422
Connecticut .....	10,879	8,541	6,490	4,426	4,841	4,800
Delaware .....	3,531	3,417	3,209	2,621	2,258	2,319
District of Columbia .....	2,867	2,174	1,272	1,113	941	1,253
Florida .....	46,478	41,477	51,667	53,675	52,195	52,191
Georgia .....	35,212	24,615	25,975	20,736	22,137	20,665
Hawaii .....	225	217	220	226	227	242
Idaho .....	7,291	5,191	3,746	3,043	2,845	3,292
Illinois .....	113,968	73,278	64,269	39,194	39,639	41,254
Indiana .....	51,926	39,271	34,344	NA	NA	NA
Iowa .....	NA	16,854	14,519	10,745	10,875	NA
Kansas .....	20,872	14,450	11,597	13,156	18,004	19,056
Kentucky .....	23,000	16,108	12,416	9,901	9,782	9,544
Louisiana .....	NA	NA	NA	NA	134,155	119,536
Maine .....	793	NA	502	326	302	278
Maryland .....	NA	14,482	NA	7,924	8,580	7,623
Massachusetts .....	NA	22,597	19,373	16,478	17,869	15,934
Michigan .....	89,562	70,403	54,966	36,562	37,945	38,583
Minnesota .....	37,550	24,143	21,426	14,074	13,960	12,674
Mississippi .....	22,278	NA	23,307	28,545	27,290	26,861
Missouri .....	29,890	18,382	13,637	11,885	15,320	15,401
Montana .....	6,685	5,072	3,440	2,131	2,148	2,355
Nebraska .....	10,702	10,622	5,541	5,390	6,248	8,411
Nevada .....	18,171	12,395	12,882	11,180	13,430	12,169
New Hampshire .....	2,111	1,452	1,176	855	589	548
New Jersey .....	53,463	43,413	32,806	27,832	27,588	27,026
New Mexico .....	13,405	9,034	7,758	7,263	8,155	13,085
New York .....	110,899	82,459	79,338	75,642	81,444	73,147
North Carolina .....	19,056	15,618	14,390	10,860	14,875	12,312
North Dakota .....	4,474	3,086	3,030	1,952	2,395	1,366
Ohio .....	85,849	58,205	48,472	32,331	30,138	33,167
Oklahoma .....	29,205	22,944	24,771	26,745	34,189	41,125
Oregon .....	19,644	16,662	14,849	13,113	13,267	13,891
Pennsylvania .....	62,593	45,797	37,300	28,314	26,573	24,549
Rhode Island .....	8,832	6,610	7,252	6,774	6,980	6,205
South Carolina .....	12,196	10,931	11,397	8,517	9,186	8,568
South Dakota .....	3,610	2,120	1,659	1,055	1,496	1,493
Tennessee .....	24,903	19,300	18,057	12,548	13,356	13,075
Texas .....	253,385	231,916	250,615	251,130	312,045	316,987
Utah .....	18,560	11,628	9,183	6,586	6,006	6,231
Vermont .....	830	661	442	363	309	307
Virginia .....	25,064	NA	NA	16,181	17,162	14,573
Washington .....	34,515	28,520	NA	16,517	18,703	21,792
West Virginia .....	12,310	10,365	6,795	5,672	4,677	4,527
Wisconsin .....	43,327	28,374	26,650	17,200	16,410	16,146
Wyoming .....	5,544	4,919	4,171	3,148	3,012	3,001
<b>Total .....</b>	<b>1,865,650</b>	<b>1,473,827</b>	<b>1,400,214</b>	<b>1,247,207</b>	<b>1,373,636</b>	<b>1,350,020</b>

See footnotes at end of table.

**Table 19. Natural Gas Deliveries to All Consumers, by State, 2000-2002**  
(Million Cubic Feet) — Continued

State	2001					
	June	May	April	March	February	January
Alabama .....	21,512	21,225	23,550	27,065	27,737	36,186
Alaska .....	9,153	10,255	11,184	13,171	12,328	13,607
Arizona .....	15,818	19,778	19,048	21,565	23,190	19,887
Arkansas .....	12,834	14,133	16,843	22,579	21,301	26,856
California .....	161,914	172,722	189,356	201,320	215,971	243,646
Colorado .....	19,762	23,631	32,000	39,601	41,830	46,270
Connecticut .....	5,791	5,996	9,977	13,985	14,262	17,311
Delaware .....	2,376	2,356	3,922	4,931	5,261	5,646
District of Columbia .....	1,293	1,713	3,327	4,377	4,815	5,808
Florida .....	46,159	41,528	39,013	34,608	29,113	33,094
Georgia .....	18,984	20,358	25,349	36,829	34,546	49,766
Hawaii .....	244	237	243	247	237	253
Idaho .....	3,530	4,329	5,648	6,749	8,521	8,916
Illinois .....	38,168	46,895	62,492	116,676	131,845	150,826
Indiana .....	NA	NA	37,071	NA	NA	NA
Iowa .....	10,829	12,913	17,583	27,121	29,850	33,448
Kansas .....	11,481	11,097	17,335	26,758	27,869	36,080
Kentucky .....	8,632	9,549	14,886	21,616	23,081	31,367
Louisiana .....	101,262	106,815	112,508	114,703	109,639	120,318
Maine .....	282	323	305	577	875	763
Maryland .....	8,069	9,001	14,420	21,886	22,955	30,557
Massachusetts .....	17,171	22,325	31,987	38,764	40,576	44,242
Michigan .....	41,457	48,396	77,481	112,960	112,355	132,689
Minnesota .....	12,839	15,167	24,574	39,241	46,044	48,408
Mississippi .....	18,944	20,002	20,606	18,785	16,303	26,210
Missouri .....	12,488	13,341	22,799	34,277	40,719	52,014
Montana .....	2,434	3,050	5,028	5,773	8,348	7,981
Nebraska .....	5,347	6,970	10,880	13,496	15,229	16,942
Nevada .....	11,981	12,622	12,435	17,869	18,518	19,954
New Hampshire .....	680	1,293	1,936	2,640	2,874	2,852
New Jersey .....	25,966	31,048	49,978	67,380	68,160	81,615
New Mexico .....	9,574	10,190	11,884	11,241	14,563	14,125
New York .....	71,507	69,031	89,753	117,220	121,608	134,063
North Carolina .....	11,645	11,249	15,150	20,041	21,182	29,207
North Dakota .....	2,540	2,622	3,826	3,576	5,277	4,871
Ohio .....	34,522	41,292	66,274	101,713	109,791	135,274
Oklahoma .....	29,093	28,846	32,018	38,247	39,643	44,682
Oregon .....	14,766	15,779	18,212	20,865	24,954	21,596
Pennsylvania .....	25,807	33,515	53,809	78,318	80,353	96,886
Rhode Island .....	6,007	6,970	7,140	10,152	7,850	9,111
South Carolina .....	8,201	8,506	10,598	12,101	12,786	16,242
South Dakota .....	1,382	1,946	2,849	4,228	4,606	4,296
Tennessee .....	13,445	14,261	22,306	27,420	29,379	43,477
Texas .....	274,687	284,524	287,952	297,629	283,558	322,606
Utah .....	7,129	7,908	11,315	13,178	17,564	20,260
Vermont .....	384	544	837	1,091	1,005	1,195
Virginia .....	10,777	11,850	15,651	22,861	26,989	34,420
Washington .....	20,068	26,331	29,444	32,084	34,692	33,024
West Virginia .....	4,732	5,370	9,475	11,358	12,279	14,842
Wisconsin .....	15,910	18,061	26,099	54,618	53,137	54,171
Wyoming .....	3,344	3,674	4,562	5,068	5,916	6,771
<b>Total .....</b>	<b>1,238,777</b>	<b>1,339,071</b>	<b>1,632,914</b>	<b>2,048,186</b>	<b>2,123,330</b>	<b>2,461,594</b>

<sup>R</sup> Revised Data.

NA Not Available.

**Notes:** Geographic coverage is the 50 States and the District of Columbia. Gas volumes delivered for use as vehicle fuel are included in the annual total for commercial deliveries but not in the monthly components. See

Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

**Sources:** Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" and Form EIA-759, "Monthly Power Plant Report."

**Table 20. Average City Gate Price, by State, 2000-2002**

(Dollars per Thousand Cubic Feet)

State	YTD 2002	YTD 2001	YTD 2000	2002				
				August	July	June	May	April
Alabama .....	4.73	7.13	3.79	4.81	5.18	5.22	4.89	4.37
Alaska .....	NA	2.39	1.60	NA	2.38	2.31	2.34	2.39
Arizona .....	3.67	5.71	4.05	4.26	4.16	3.78	3.80	3.70
Arkansas .....	NA	NA	3.34	NA	NA	NA	NA	NA
California .....	2.96	8.08	3.52	2.82	3.10	2.98	3.18	3.85
Colorado .....	2.62	4.99	2.92	1.59	1.95	3.65	2.38	2.87
Connecticut .....	NA	9.52	6.08	6.54	7.17	6.97	6.74	NA
Delaware .....	NA	5.95	2.98	4.32	5.38	NA	5.40	5.80
District of Columbia .....	—	—	—	—	—	—	—	—
Florida .....	3.65	6.28	4.22	3.47	4.29	3.78	3.95	4.01
Georgia .....	4.03	7.05	3.79	4.85	5.19	5.27	6.39	3.70
Hawaii .....	6.81	8.05	7.95	7.53	7.66	7.62	6.66	6.44
Idaho .....	NA	5.64	2.91	NA	6.28	4.71	3.43	3.36
Illinois .....	3.47	6.74	3.83	3.30	3.76	3.96	3.53	3.93
Indiana .....	NA	NA	3.07	2.29	NA	3.80	3.61	3.89
Iowa .....	3.75	7.43	3.93	5.08	5.01	4.86	4.21	4.03
Kansas .....	3.90	7.16	3.71	3.21	3.63	4.39	4.26	4.77
Kentucky .....	4.35	NA	4.01	4.17	3.77	3.97	4.65	5.47
Louisiana .....	NA	NA	3.68	NA	NA	NA	NA	NA
Maine .....	NA	NA	4.99	3.73	3.49	3.76	3.42	NA
Maryland .....	NA	7.64	4.37	NA	5.69	5.46	5.34	5.30
Massachusetts .....	4.76	7.37	4.72	7.38	7.41	7.35	5.56	4.23
Michigan .....	4.13	4.26	3.09	3.68	3.84	3.93	3.94	3.51
Minnesota .....	NA	6.77	3.58	NA	3.98	4.13	3.83	3.54
Mississippi .....	3.88	NA	3.57	3.01	3.78	4.18	3.88	4.42
Missouri .....	4.33	7.31	4.07	5.60	6.43	6.44	5.46	4.94
Montana .....	2.62	4.70	2.98	2.00	1.75	2.16	2.76	3.05
Nebraska .....	3.86	7.45	3.68	4.08	4.02	4.17	4.36	4.31
Nevada .....	4.21	NA	3.94	5.18	4.61	3.99	3.81	4.35
New Hampshire .....	4.07	5.20	4.41	3.37	3.50	3.22	3.43	4.91
New Jersey .....	NA	7.24	4.98	NA	5.65	5.90	5.74	4.48
New Mexico .....	2.50	4.82	2.78	2.57	2.55	2.17	2.42	2.90
New York .....	3.61	NA	3.99	3.10	3.21	3.47	3.59	3.57
North Carolina .....	4.18	7.83	4.38	4.48	4.54	4.92	4.39	4.51
North Dakota .....	NA	NA	3.88	NA	2.42	3.27	3.63	3.54
Ohio .....	NA	NA	5.71	NA	2.14	4.45	3.88	3.07
Oklahoma .....	NA	7.25	3.41	3.34	NA	3.48	3.93	4.14
Oregon .....	NA	4.77	3.38	NA	NA	NA	5.69	5.46
Pennsylvania .....	NA	7.30	4.37	4.56	5.88	5.73	5.62	NA
Rhode Island .....	NA	8.37	3.52	5.03	5.99	5.82	5.40	5.08
South Carolina .....	4.86	7.39	4.33	5.03	5.11	5.35	5.35	5.23
South Dakota .....	4.13	7.80	4.24	4.25	3.97	4.89	4.10	4.98
Tennessee .....	3.96	6.81	3.77	3.66	3.82	3.83	4.13	3.50
Texas .....	3.58	6.57	3.43	3.63	3.44	3.69	4.19	4.13
Utah .....	4.10	5.96	3.38	2.55	3.48	4.00	3.54	3.60
Vermont .....	NA	4.93	3.78	NA	NA	NA	4.65	4.81
Virginia .....	NA	7.28	4.26	5.00	5.87	6.28	5.62	4.47
Washington .....	NA	NA	3.21	NA	NA	NA	4.07	4.28
West Virginia .....	NA	NA	3.64	6.64	6.61	6.66	4.67	4.44
Wisconsin .....	4.03	7.07	3.64	5.76	5.89	5.65	4.19	4.32
Wyoming .....	NA	7.22	4.31	3.16	NA	2.59	2.62	4.07
<b>Total .....</b>	<b>3.91</b>	<b>6.70</b>	<b>3.87</b>	<b>3.59</b>	<b>3.90</b>	<b>4.14</b>	<b>4.02</b>	<b>4.09</b>

See footnotes at end of table.

**Table 20. Average City Gate Price, by State, 2000-2002**

(Dollars per Thousand Cubic Feet) — Continued

State	2002			2001				
	March	February	January	Total	December	November	October	September
Alabama .....	4.49	4.80	4.71	6.62	4.99	4.99	5.16	5.45
Alaska .....	2.41	2.41	2.44	2.35	2.34	2.30	2.29	2.25
Arizona .....	3.74	3.35	3.41	5.05	3.27	4.38	3.47	3.93
Arkansas .....	NA	5.72	NA	NA	NA	NA	NA	3.93
California .....	2.76	2.42	2.68	6.64	2.80	3.15	2.38	2.71
Colorado .....	3.15	2.58	2.64	4.21	2.93	3.02	2.28	2.73
Connecticut .....	5.71	NA	6.72	8.12	5.07	6.30	4.23	5.84
Delaware .....	6.70	4.07	4.47	5.18	4.39	4.05	3.19	3.31
District of Columbia .....	—	—	—	—	—	—	—	—
Florida .....	3.51	3.27	3.35	5.21	3.41	3.58	2.69	2.98
Georgia .....	3.18	4.21	2.44	6.05	3.77	4.26	3.55	3.81
Hawaii .....	6.03	6.10	6.49	7.86	6.95	7.53	7.42	7.92
Idaho .....	3.56	3.53	3.77	4.85	3.74	3.85	3.48	3.50
Illinois .....	3.13	3.16	3.52	5.55	3.52	3.56	2.46	2.60
Indiana .....	3.37	3.33	3.37	NA	3.60	3.90	NA	NA
Iowa .....	3.51	3.39	3.46	NA	NA	3.45	2.84	3.80
Kansas .....	3.98	3.80	3.65	6.05	3.92	4.23	3.01	3.12
Kentucky .....	4.06	4.69	4.08	NA	4.85	4.82	4.26	2.36
Louisiana .....	NA	NA	3.91	NA	NA	NA	3.16	3.47
Maine .....	3.99	4.79	4.02	NA	NA	NA	1.48	3.01
Maryland .....	4.18	4.44	NA	6.78	4.61	5.47	4.66	4.34
Massachusetts .....	4.29	4.24	3.80	NA	NA	6.00	3.75	6.15
Michigan .....	4.76	4.45	4.54	4.09	3.55	3.80	3.68	3.86
Minnesota .....	3.64	3.65	3.42	5.84	4.02	4.52	2.57	3.66
Mississippi .....	3.62	3.76	4.14	NA	4.11	NA	3.35	NA
Missouri .....	4.03	3.97	3.65	6.31	3.61	4.67	3.57	5.33
Montana .....	2.72	2.64	3.09	3.93	2.39	3.12	1.96	2.23
Nebraska .....	3.63	3.58	3.77	6.38	3.66	3.83	2.85	4.13
Nevada .....	4.48	3.83	4.20	NA	4.18	5.02	3.57	4.67
New Hampshire .....	3.88	3.14	7.84	NA	4.35	3.26	NA	NA
New Jersey .....	4.97	4.84	4.31	6.41	4.27	5.47	4.18	4.92
New Mexico .....	2.44	2.23	2.71	NA	2.41	NA	2.36	2.07
New York .....	3.98	3.47	4.19	NA	3.81	NA	2.87	2.90
North Carolina .....	3.81	3.72	4.06	6.72	4.11	4.70	4.42	5.02
North Dakota .....	3.23	3.26	3.54	NA	2.51	4.34	2.10	2.86
Ohio .....	NA	4.28	3.63	NA	4.89	5.38	5.70	5.13
Oklahoma .....	NA	4.07	NA	6.48	4.49	5.10	4.95	5.19
Oregon .....	5.17	5.10	4.75	4.92	5.39	5.41	4.60	5.42
Pennsylvania .....	4.91	5.20	4.44	6.71	5.20	5.03	5.91	6.32
Rhode Island .....	4.18	4.07	NA	7.42	4.14	5.28	6.09	7.90
South Carolina .....	4.39	4.30	4.96	6.48	4.95	5.01	4.08	4.70
South Dakota .....	3.69	4.04	4.10	NA	NA	3.94	3.25	4.61
Tennessee .....	3.78	3.99	4.35	5.98	4.28	4.79	3.79	3.51
Texas .....	3.29	3.25	3.61	5.53	3.22	3.69	2.88	3.16
Utah .....	4.18	4.54	4.34	5.62	5.01	4.69	4.76	6.65
Vermont .....	4.82	5.01	5.32	4.83	5.15	3.93	5.06	4.06
Virginia .....	3.33	3.99	NA	NA	5.03	NA	NA	5.49
Washington .....	3.86	4.09	2.24	NA	3.88	4.09	3.00	3.56
West Virginia .....	3.85	3.82	NA	NA	NA	4.44	3.95	2.99
Wisconsin .....	3.47	3.74	3.71	5.90	3.50	4.33	2.85	3.68
Wyoming .....	NA	3.98	3.97	6.32	4.44	4.91	4.63	5.35
<b>Total .....</b>	<b>3.78</b>	<b>3.78</b>	<b>4.03</b>	<b>5.77</b>	<b>3.93</b>	<b>3.98</b>	<b>3.32</b>	<b>3.66</b>

See footnotes at end of table.

**Table 20. Average City Gate Price, by State, 2000-2002**

(Dollars per Thousand Cubic Feet) — Continued

State	2001							
	August	July	June	May	April	March	February	January
Alabama .....	6.02	5.62	6.47	6.98	6.33	6.90	8.60	7.12
Alaska .....	2.22	1.91	2.68	2.23	2.20	2.55	2.53	2.44
Arizona .....	4.05	3.68	4.24	4.92	5.22	5.31	6.25	7.91
Arkansas .....	4.41	NA	NA	NA	NA	NA	NA	NA
California .....	2.80	2.92	8.08	7.32	7.52	8.36	9.42	12.64
Colorado .....	3.04	3.14	3.21	3.94	5.21	4.73	5.01	7.10
Connecticut .....	8.54	7.96	6.98	8.87	9.97	8.65	10.03	11.06
Delaware .....	3.77	4.80	4.63	5.15	5.96	6.10	7.33	8.30
District of Columbia .....	—	—	—	—	—	—	—	—
Florida .....	3.45	3.98	4.56	5.75	6.50	6.30	6.18	10.21
Georgia .....	3.92	4.35	6.43	5.77	6.14	6.65	8.05	8.90
Hawaii .....	7.90	7.92	7.76	7.91	7.57	7.42	8.78	9.17
Idaho .....	3.12	3.60	4.20	6.00	5.24	5.04	5.58	6.94
Illinois .....	3.99	3.80	4.56	5.03	6.09	5.19	6.89	10.53
Indiana .....	3.01	3.08	NA	NA	3.36	NA	5.77	7.87
Iowa .....	4.26	5.42	5.40	6.52	6.47	6.06	8.01	9.35
Kansas .....	4.12	4.17	4.84	6.45	6.59	5.92	8.32	10.13
Kentucky .....	4.51	NA	6.45	7.18	5.53	5.89	8.65	9.15
Louisiana .....	4.23	NA	4.60	5.03	6.06	6.11	6.96	10.43
Maine .....	6.56	6.61	NA	11.90	5.84	6.53	7.57	6.97
Maryland .....	5.00	5.60	6.09	7.56	5.41	6.50	7.01	10.16
Massachusetts .....	6.69	7.38	6.73	5.78	6.40	6.00	7.64	9.42
Michigan .....	4.30	4.36	4.46	4.61	4.90	3.60	3.52	4.40
Minnesota .....	4.08	4.32	4.84	5.51	6.00	5.51	7.28	9.37
Mississippi .....	5.95	4.32	4.68	5.43	6.33	NA	6.44	9.68
Missouri .....	6.02	6.38	6.47	7.66	7.35	5.60	7.07	8.73
Montana .....	2.58	2.85	2.64	3.85	4.09	5.03	5.31	7.34
Nebraska .....	4.18	4.31	4.96	6.28	7.20	6.52	8.10	9.46
Nevada .....	5.22	3.63	3.95	NA	6.54	5.53	5.64	6.71
New Hampshire .....	6.56	5.67	3.59	4.75	4.77	4.88	5.21	6.06
New Jersey .....	5.47	5.81	6.21	7.26	7.43	6.18	7.11	9.69
New Mexico .....	2.62	2.48	2.80	3.71	4.55	4.75	5.81	5.56
New York .....	3.64	3.38	3.97	5.22	NA	5.37	6.47	8.99
North Carolina .....	5.55	5.96	6.07	7.25	7.20	7.05	8.03	9.87
North Dakota .....	3.10	NA	2.93	4.76	5.64	6.00	6.48	9.50
Ohio .....	7.63	NA	8.49	6.29	11.56	9.95	10.34	7.87
Oklahoma .....	5.30	4.11	4.25	4.50	6.76	6.39	6.85	9.63
Oregon .....	5.07	5.03	4.85	4.70	4.25	4.45	4.67	5.26
Pennsylvania .....	6.11	6.58	6.75	7.23	7.15	6.96	6.91	8.36
Rhode Island .....	8.15	7.28	9.96	9.90	8.79	9.60	6.69	8.27
South Carolina .....	5.01	5.39	5.83	6.94	6.87	6.34	7.88	10.46
South Dakota .....	4.51	5.04	5.93	7.30	7.50	6.58	7.68	9.94
Tennessee .....	4.04	4.10	4.91	5.55	5.99	6.30	7.73	9.28
Texas .....	4.14	4.45	4.78	5.61	5.71	5.81	7.01	9.10
Utah .....	5.82	5.94	5.48	5.53	5.51	6.35	6.41	5.83
Vermont .....	4.35	4.14	4.09	4.38	4.70	4.93	5.23	5.65
Virginia .....	7.43	6.71	7.52	8.13	4.72	6.61	7.65	8.11
Washington .....	3.50	NA	4.07	5.41	5.14	5.13	6.48	9.87
West Virginia .....	4.21	4.53	NA	NA	5.98	4.58	4.26	4.25
Wisconsin .....	5.04	5.17	4.91	5.18	6.41	6.13	6.61	9.93
Wyoming .....	6.82	5.26	3.85	6.38	6.91	8.98	7.01	8.07
<b>Total .....</b>	<b>4.28</b>	<b>4.32</b>	<b>5.37</b>	<b>5.87</b>	<b>6.39</b>	<b>6.15</b>	<b>7.10</b>	<b>8.94</b>

NA Not Available.

— Not Applicable.

**Notes:** Geographic coverage is the 50 States and the District of Columbia. Prices in this table represent the average price of natural gas by State at the point where the gas transferred from a pipeline to a local distribution

company within the State. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy.

**Source:** Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

**Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 2000-2002**

(Dollars per Thousand Cubic Feet)

State	YTD 2002	YTD 2001	YTD 2000	2002				
				August	July	June	May	April
Alabama .....	10.48	11.97	8.54	14.52	14.40	12.98	13.39	11.07
Alaska .....	NA	4.28	3.53	4.94	5.17	NA	4.50	4.33
Arizona .....	12.40	10.16	9.19	16.37	16.04	14.59	13.73	12.26
Arkansas .....	NA	10.69	6.91	NA	NA	NA	NA	NA
California .....	6.84	12.08	7.34	7.15	7.20	7.16	7.29	6.84
Colorado .....	5.71	8.99	5.61	9.31	9.06	9.07	6.81	5.90
Connecticut .....	NA	13.08	11.01	12.46	15.04	NA	12.17	11.12
Delaware .....	11.26	10.75	7.90	15.95	14.97	13.64	12.31	11.18
District of Columbia .....	11.02	13.43	9.66	11.36	11.55	11.59	11.87	12.76
Florida .....	13.46	16.09	12.17	16.96	16.53	15.73	15.15	13.81
Georgia .....	7.87	10.61	7.04	12.73	12.38	11.99	11.73	6.81
Hawaii .....	23.91	22.32	21.28	26.27	24.92	23.67	23.59	23.17
Idaho .....	9.00	8.21	5.75	8.63	9.56	9.74	9.34	9.16
Illinois .....	5.85	10.74	6.20	10.07	10.27	10.00	7.89	5.62
Indiana .....	NA	NA	6.03	11.35	NA	NA	8.89	7.67
Iowa .....	6.53	10.00	6.86	13.51	13.02	10.49	7.52	6.43
Kansas .....	8.20	10.36	6.83	12.61	12.64	11.69	10.43	8.69
Kentucky .....	7.59	10.39	6.41	11.28	11.32	9.65	10.15	7.47
Louisiana .....	NA	11.17	6.91	NA	NA	NA	NA	NA
Maine .....	NA	12.42	9.03	14.04	13.74	NA	10.51	11.69
Maryland .....	NA	12.43	9.13	NA	15.98	NA	12.12	11.01
Massachusetts .....	9.69	13.29	9.32	9.89	10.96	9.76	9.05	9.62
Michigan .....	NA	5.44	5.09	9.20	NA	7.18	6.52	6.14
Minnesota .....	NA	9.97	6.16	NA	8.38	7.84	6.62	6.80
Mississippi .....	7.08	10.51	6.78	7.65	7.94	8.46	8.77	7.83
Missouri .....	7.74	10.73	6.95	13.46	12.69	10.71	8.89	7.40
Montana .....	5.43	7.25	5.83	6.84	6.35	5.85	5.16	5.23
Nebraska .....	5.87	9.00	5.70	9.83	9.54	8.49	7.11	5.81
Nevada .....	9.71	8.55	6.62	11.85	11.45	10.78	10.55	9.64
New Hampshire .....	9.80	12.39	9.23	13.24	11.54	10.30	10.15	9.88
New Jersey .....	NA	7.39	7.53	NA	8.02	7.67	6.72	6.71
New Mexico .....	6.49	10.22	6.00	9.78	9.65	9.07	7.77	5.23
New York .....	9.82	12.03	9.67	14.27	12.86	11.69	9.91	9.47
North Carolina .....	9.06	12.73	8.88	16.04	15.20	13.50	11.06	8.79
North Dakota .....	NA	8.99	5.55	NA	7.74	7.37	6.07	5.30
Ohio .....	7.09	10.59	6.75	10.87	8.77	7.86	6.81	6.73
Oklahoma .....	NA	9.67	6.74	10.84	NA	9.82	9.10	7.54
Oregon .....	10.78	9.25	7.68	13.14	12.29	11.55	10.61	10.73
Pennsylvania .....	NA	11.71	8.01	14.49	NA	11.90	10.26	8.87
Rhode Island .....	NA	11.95	9.12	15.71	14.57	12.72	11.74	11.75
South Carolina .....	9.77	12.79	8.55	11.70	11.27	10.75	10.40	10.01
South Dakota .....	6.64	9.83	6.56	10.26	10.81	9.45	7.29	6.67
Tennessee .....	7.68	10.87	6.77	10.92	10.72	9.77	9.39	7.70
Texas .....	6.69	9.95	6.66	10.84	10.53	10.32	11.03	6.34
Utah .....	6.35	8.55	6.26	7.53	7.22	7.10	6.52	6.68
Vermont .....	NA	9.68	7.74	14.29	NA	11.84	10.79	10.27
Virginia .....	9.71	12.69	9.72	12.92	16.41	16.98	12.87	11.17
Washington .....	NA	9.74	6.64	NA	NA	NA	9.98	9.78
West Virginia .....	NA	7.38	7.41	12.85	11.93	11.91	8.98	8.47
Wisconsin .....	7.08	9.81	6.60	8.95	8.99	8.39	6.90	7.64
Wyoming .....	NA	9.15	5.45	10.14	NA	6.59	5.81	5.41
<b>Total .....</b>	<b>7.62</b>	<b>10.29</b>	<b>7.20</b>	<b>10.23</b>	<b>9.99</b>	<b>9.42</b>	<b>8.41</b>	<b>7.55</b>

See footnotes at end of table.

**Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 2000-2002**

(Dollars per Thousand Cubic Feet) — Continued

State	2002			2001				
	March	February	January	Total	December	November	October	September
Alabama .....	9.40	10.06	9.58	12.09	11.89	11.96	12.91	16.00
Alaska .....	4.31	4.27	4.39	4.23	4.10	4.05	4.27	4.51
Arizona .....	12.27	11.41	11.67	10.88	12.14	13.84	14.57	14.98
Arkansas .....	NA	8.42	NA	10.09	8.37	8.79	8.57	11.38
California .....	5.99	6.67	7.11	10.29	6.00	5.80	5.97	7.23
Colorado .....	5.45	4.73	5.25	8.44	5.33	6.15	10.16	13.04
Connecticut .....	10.11	NA	10.88	12.60	10.99	11.38	11.31	14.52
Delaware .....	10.81	10.75	10.53	11.03	11.36	11.72	13.07	14.91
District of Columbia .....	10.88	10.23	10.78	13.10	11.51	11.36	12.52	13.69
Florida .....	12.28	11.75	12.16	15.89	13.87	14.79	16.05	17.30
Georgia .....	7.70	7.69	6.03	9.92	7.23	9.50	7.48	10.32
Hawaii .....	23.21	23.30	23.44	22.55	23.88	24.02	21.82	22.29
Idaho .....	8.96	8.79	8.88	8.50	8.98	9.17	9.62	10.05
Illinois .....	5.05	5.01	5.07	9.05	5.16	5.45	5.25	7.63
Indiana .....	6.37	6.58	6.90	NA	6.43	7.66	8.32	NA
Iowa .....	5.90	5.71	5.60	8.88	4.24	6.91	6.17	10.35
Kansas .....	7.39	7.15	7.54	10.07	7.84	9.11	10.69	13.50
Kentucky .....	6.25	7.51	7.35	9.65	7.36	7.72	9.73	11.46
Louisiana .....	NA	NA	6.75	NA	NA	NA	NA	NA
Maine .....	11.55	11.42	10.75	12.15	9.80	12.73	12.73	13.62
Maryland .....	9.10	8.20	9.46	11.66	9.32	9.78	8.95	13.51
Massachusetts .....	9.72	9.46	9.88	13.15	12.08	12.05	13.06	15.30
Michigan .....	6.11	6.07	5.78	5.59	5.74	5.77	6.14	7.58
Minnesota .....	5.87	5.75	5.98	8.80	5.82	6.92	5.52	7.31
Mississippi .....	6.37	7.04	6.66	10.05	8.17	7.89	7.93	12.29
Missouri .....	6.91	7.25	7.18	10.51	7.61	10.39	12.68	14.93
Montana .....	4.98	5.35	5.77	7.00	6.10	6.35	6.74	8.55
Nebraska .....	5.19	5.26	5.40	8.47	6.01	6.36	6.83	8.92
Nevada .....	9.20	9.07	9.53	8.96	8.15	11.09	11.40	14.92
New Hampshire .....	9.57	9.46	9.17	12.64	12.93	13.94	12.79	14.65
New Jersey .....	6.95	6.91	7.35	7.69	8.14	8.45	9.29	9.22
New Mexico .....	4.45	8.13	5.51	8.25	4.26	4.81	5.63	8.18
New York .....	9.25	8.83	9.69	11.88	11.01	11.28	11.69	13.28
North Carolina .....	8.02	8.59	8.33	12.31	10.60	10.30	11.94	15.50
North Dakota .....	4.52	4.71	4.82	7.62	4.87	5.10	4.87	7.21
Ohio .....	6.47	7.00	7.17	9.95	7.33	7.49	9.30	10.59
Oklahoma .....	7.48	7.61	7.38	9.50	7.69	9.27	10.77	12.33
Oregon .....	10.61	10.55	10.49	9.68	10.56	10.82	11.18	11.17
Pennsylvania .....	8.50	8.67	8.37	11.47	9.47	10.38	12.06	15.70
Rhode Island .....	11.45	11.26	NA	12.17	12.25	13.35	13.68	13.54
South Carolina .....	9.26	9.93	9.43	12.35	10.66	9.84	11.86	13.64
South Dakota .....	6.17	6.03	6.00	8.58	4.64	6.57	5.84	8.73
Tennessee .....	7.27	7.62	7.04	10.33	7.83	9.14	9.47	10.87
Texas .....	5.18	6.69	5.55	9.19	6.09	7.96	7.90	10.16
Utah .....	6.06	6.17	6.18	8.08	7.03	7.48	6.82	9.55
Vermont .....	10.05	9.97	9.97	10.07	10.44	11.07	12.52	14.38
Virginia .....	8.49	7.97	8.86	12.35	9.94	10.50	13.40	16.58
Washington .....	9.71	9.60	9.62	9.77	9.59	9.72	10.22	10.92
West Virginia .....	8.08	7.99	NA	7.56	8.07	7.62	8.03	9.36
Wisconsin .....	6.68	6.59	6.97	8.76	6.54	7.45	5.01	6.44
Wyoming .....	5.22	5.64	5.35	8.45	5.33	7.24	8.66	10.66
<b>Total .....</b>	<b>6.95</b>	<b>7.19</b>	<b>7.23</b>	<b>9.63</b>	<b>7.32</b>	<b>7.97</b>	<b>8.22</b>	<b>10.12</b>

See footnotes at end of table.



**Table 21. Average Price of Natural Gas Delivered to Residential Consumers, by State, 2000-2002**

(Dollars per Thousand Cubic Feet) — Continued

State	2001							
	August	July	June	May	April	March	February	January
Alabama .....	16.04	16.16	15.87	14.65	12.08	12.53	12.05	10.12
Alaska .....	4.74	4.91	4.63	4.36	4.16	4.18	4.17	4.10
Arizona .....	15.18	14.63	13.55	11.69	10.47	9.47	9.21	9.10
Arkansas .....	11.27	11.48	13.50	12.50	10.68	8.82	10.83	11.29
California .....	8.15	8.63	11.25	11.58	11.89	13.73	13.72	12.07
Colorado .....	13.57	12.64	11.39	10.05	9.52	9.03	8.60	7.15
Connecticut .....	13.93	14.95	13.97	12.28	13.10	12.21	13.51	13.09
Delaware .....	15.77	14.33	13.67	12.36	11.14	10.78	10.31	9.27
District of Columbia .....	11.24	11.58	11.55	14.96	13.62	13.11	13.64	13.79
Florida .....	17.46	17.51	17.57	18.95	18.02	19.04	15.60	12.63
Georgia .....	10.99	14.94	11.03	10.81	10.12	9.44	11.55	10.46
Hawaii .....	22.52	22.14	21.99	22.11	21.71	22.10	22.81	23.21
Idaho .....	10.29	9.85	9.39	8.93	8.76	8.53	7.96	7.15
Illinois .....	9.39	9.41	10.33	10.35	9.28	9.62	11.33	11.86
Indiana .....	NA	NA	NA	NA	11.83	10.37	9.54	9.08
Iowa .....	11.55	10.85	11.16	10.43	9.34	8.48	9.76	11.16
Kansas .....	12.31	12.28	12.50	11.74	9.76	9.19	10.00	10.84
Kentucky .....	13.10	13.17	15.23	13.35	10.87	9.95	10.89	9.18
Louisiana .....	10.85	9.67	10.27	10.62	8.71	10.33	11.70	12.21
Maine .....	16.90	17.96	17.07	10.45	15.54	11.39	11.75	11.29
Maryland .....	14.68	15.61	14.63	14.37	12.68	10.82	12.85	11.94
Massachusetts .....	16.03	14.99	14.09	14.29	14.39	14.17	12.84	11.24
Michigan .....	8.83	8.59	7.69	7.17	5.40	4.93	4.92	4.87
Minnesota .....	8.72	8.82	8.76	9.30	8.67	8.73	9.39	12.62
Mississippi .....	12.08	11.37	11.54	10.80	10.60	9.21	8.74	11.78
Missouri .....	15.88	15.24	14.17	12.87	11.19	10.76	10.93	9.01
Montana .....	8.83	8.81	8.10	7.67	7.40	7.40	6.99	6.60
Nebraska .....	9.66	9.17	8.97	9.20	8.08	8.25	10.31	8.72
Nevada .....	11.20	11.28	10.02	9.36	8.95	8.47	8.31	7.11
New Hampshire .....	15.93	16.39	14.83	10.90	11.76	13.02	12.07	11.71
New Jersey .....	9.25	8.60	8.40	8.13	7.76	7.35	6.96	6.93
New Mexico .....	9.94	8.96	10.88	12.47	13.43	13.44	9.34	8.25
New York .....	14.56	14.40	13.99	13.64	11.55	10.64	11.36	12.60
North Carolina .....	17.13	16.67	14.85	14.09	12.58	12.56	13.28	11.52
North Dakota .....	7.03	9.18	9.91	9.24	8.25	8.32	9.17	9.74
Ohio .....	10.18	13.49	12.36	11.90	10.89	10.87	11.02	9.31
Oklahoma .....	12.32	12.62	12.23	11.99	9.82	8.70	9.09	9.54
Oregon .....	11.21	10.79	10.18	9.49	9.25	9.09	8.94	8.78
Pennsylvania .....	16.83	16.40	15.22	14.10	12.44	11.76	10.92	10.09
Rhode Island .....	14.94	14.68	13.70	12.49	11.98	11.60	11.55	11.34
South Carolina .....	13.95	13.81	13.40	12.35	11.40	12.38	13.41	12.92
South Dakota .....	9.15	9.52	8.97	9.26	9.28	8.30	10.40	11.20
Tennessee .....	12.03	11.80	12.11	11.16	9.89	8.51	14.43	10.15
Texas .....	6.90	10.79	12.04	10.70	9.49	8.85	9.08	11.21
Utah .....	9.34	9.36	8.82	9.59	7.97	8.82	8.44	8.26
Vermont .....	14.14	12.58	11.56	10.39	9.46	9.26	9.23	9.18
Virginia .....	17.30	17.33	16.41	15.51	12.15	11.27	12.73	12.15
Washington .....	11.48	11.14	10.72	10.33	10.09	10.09	9.70	8.22
West Virginia .....	9.95	12.92	12.14	8.36	7.32	7.04	7.05	6.97
Wisconsin .....	9.17	7.72	8.60	9.61	9.58	8.73	9.05	12.21
Wyoming .....	11.12	12.25	10.03	11.79	6.15	13.00	8.91	7.54
<b>Total .....</b>	<b>10.75</b>	<b>11.08</b>	<b>11.49</b>	<b>11.11</b>	<b>10.17</b>	<b>9.88</b>	<b>10.28</b>	<b>10.14</b>

NA Not Available.

**Notes:** Data through 2000 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. See Appendix A, Explanatory Note 5 for discussion of

computations and revision policy.

**Source:** Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

**Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 2000-2002**

(Dollars per Thousand Cubic Feet)

State	YTD 2002	YTD 2001	YTD 2000	2002				
				August	July	June	May	April
Alabama .....	8.96	10.57	7.10	9.57	9.55	9.22	9.45	9.24
Alaska .....	NA	2.52	2.02	NA	NA	1.99	2.91	3.34
Arizona .....	8.64	7.90	6.50	8.09	7.99	8.03	8.16	8.24
Arkansas .....	NA	NA	4.70	NA	NA	NA	NA	NA
California .....	5.77	10.97	6.73	5.29	5.44	5.36	5.63	6.07
Colorado .....	4.82	8.04	4.93	5.49	5.56	5.68	4.97	4.83
Connecticut .....	NA	8.33	6.41	6.29	6.93	7.35	6.83	7.25
Delaware .....	9.67	9.45	6.48	10.73	10.83	10.67	9.77	9.70
District of Columbia .....	10.49	12.94	8.83	10.51	10.36	10.71	10.53	11.61
Florida .....	7.78	11.54	7.31	8.09	8.10	8.05	7.91	7.73
Georgia .....	5.99	9.60	6.10	7.00	7.67	7.66	7.51	6.47
Hawaii .....	17.56	17.54	16.88	17.83	18.41	18.39	17.24	16.97
Idaho .....	8.29	7.53	4.97	6.86	7.79	8.75	8.66	8.59
Illinois .....	5.78	10.01	5.80	8.21	8.61	8.91	7.36	5.61
Indiana .....	6.68	NA	5.34	8.03	9.38	8.91	7.95	7.27
Iowa .....	5.14	8.34	5.66	7.34	7.12	6.63	5.81	5.21
Kansas .....	7.13	9.61	6.03	7.50	8.46	8.84	8.09	7.59
Kentucky .....	7.03	NA	5.76	8.06	7.77	7.40	7.23	6.71
Louisiana .....	NA	9.33	5.99	NA	NA	NA	NA	NA
Maine .....	NA	10.93	7.42	7.77	7.94	8.37	7.75	NA
Maryland .....	NA	11.01	7.48	NA	10.45	NA	10.43	9.38
Massachusetts .....	8.41	12.17	8.23	7.59	7.58	7.96	7.53	8.28
Michigan .....	5.95	5.16	4.76	7.44	6.97	6.56	6.10	5.82
Minnesota .....	NA	8.76	5.08	NA	5.27	5.53	5.76	5.83
Mississippi .....	5.59	8.78	5.86	5.37	5.52	4.58	6.32	6.43
Missouri .....	6.92	10.15	6.07	8.46	8.46	7.58	6.97	6.69
Montana .....	5.45	6.71	5.66	5.86	5.86	5.67	5.27	5.33
Nebraska .....	4.80	7.97	4.70	4.64	4.84	5.01	5.11	4.91
Nevada .....	7.68	7.54	5.52	7.50	7.53	6.81	7.23	7.02
New Hampshire .....	NA	11.54	7.85	6.12	6.45	7.07	7.28	NA
New Jersey .....	5.87	8.32	4.92	6.52	6.53	6.27	5.89	5.79
New Mexico .....	4.32	7.47	4.54	5.05	4.89	4.98	4.64	3.65
New York .....	8.05	10.72	7.35	8.06	8.04	7.87	7.81	7.67
North Carolina .....	6.96	10.69	6.99	7.83	7.84	8.10	6.53	6.34
North Dakota .....	NA	8.31	4.85	NA	4.56	5.02	4.42	5.01
Ohio .....	6.47	10.05	6.14	8.46	7.07	6.70	5.86	5.80
Oklahoma .....	NA	9.31	5.81	7.25	7.18	7.36	7.13	6.87
Oregon .....	9.11	7.65	6.50	9.28	9.04	9.17	8.82	9.11
Pennsylvania .....	8.31	11.13	7.32	9.76	9.70	9.27	8.78	8.19
Rhode Island .....	NA	10.60	7.90	10.55	10.90	11.04	9.83	10.40
South Carolina .....	7.72	10.76	7.08	7.37	7.20	7.55	7.35	8.07
South Dakota .....	5.09	8.51	5.11	5.91	5.95	6.10	5.60	5.15
Tennessee .....	7.01	9.95	6.07	7.37	8.31	7.09	7.27	6.63
Texas .....	5.21	8.44	5.06	5.44	5.53	5.35	5.86	5.55
Utah .....	5.17	7.09	4.64	5.15	4.92	4.92	4.86	5.14
Vermont .....	8.32	7.74	6.21	8.69	8.68	8.49	8.29	8.29
Virginia .....	6.85	10.18	6.53	7.62	7.91	8.38	7.57	7.23
Washington .....	NA	8.66	5.53	NA	NA	NA	8.79	8.77
West Virginia .....	7.55	5.59	6.52	9.39	9.25	8.73	8.22	7.44
Wisconsin .....	5.85	8.70	5.39	5.86	6.09	6.11	5.41	6.49
Wyoming .....	4.99	9.05	4.55	5.59	<sup>a</sup> 4.91	5.06	4.87	4.90
<b>Total .....</b>	<b>6.58</b>	<b>9.18</b>	<b>5.98</b>	<b>6.91</b>	<b>6.96</b>	<b>6.90</b>	<b>6.76</b>	<b>6.62</b>

See footnotes at end of table.

**Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 2000-2002**

(Dollars per Thousand Cubic Feet) — Continued

State	2002			2001				
	March	February	January	Total	December	November	October	September
Alabama .....	8.63	8.99	8.54	10.37	9.75	9.57	9.02	11.03
Alaska .....	3.40	3.32	3.42	2.63	2.95	2.83	2.83	2.46
Arizona .....	9.04	8.92	9.34	8.15	9.14	8.73	8.25	8.23
Arkansas .....	NA	6.90	NA	NA	NA	NA	NA	NA
California .....	5.50	5.84	6.53	9.00	5.16	5.00	4.50	5.36
Colorado .....	5.04	4.18	4.76	7.46	4.64	4.97	7.80	9.32
Connecticut .....	5.98	NA	7.41	8.17	8.01	8.24	7.32	6.53
Delaware .....	9.41	9.34	9.49	9.56	9.58	9.66	10.23	10.68
District of Columbia .....	10.36	10.07	10.39	12.40	10.88	10.68	10.08	10.10
Florida .....	7.34	7.63	7.77	10.61	7.68	7.68	8.07	8.84
Georgia .....	5.05	5.13	5.25	8.72	6.23	5.94	5.90	5.87
Hawaii .....	16.92	17.03	17.58	17.61	18.00	18.27	17.48	17.30
Idaho .....	8.30	8.18	8.29	7.84	8.33	8.55	9.88	8.49
Illinois .....	5.31	5.11	5.14	8.65	5.33	5.50	4.84	6.36
Indiana .....	5.80	5.87	6.41	NA	5.83	7.23	7.36	NA
Iowa .....	4.98	4.69	4.72	NA	NA	5.20	4.19	6.21
Kansas .....	6.64	6.55	7.05	9.15	7.24	7.27	7.50	7.85
Kentucky .....	6.03	7.12	7.50	NA	7.17	7.43	8.99	9.32
Louisiana .....	NA	6.15	6.58	NA	7.28	7.45	5.25	NA
Maine .....	10.36	10.81	10.08	NA	13.45	NA	5.53	9.16
Maryland .....	7.54	7.14	8.54	10.14	7.94	8.49	7.10	7.96
Massachusetts .....	8.29	8.78	9.15	11.73	9.62	9.90	11.21	10.97
Michigan .....	5.91	5.88	5.63	5.30	5.58	5.53	5.81	6.36
Minnesota .....	5.07	4.70	4.79	7.57	4.77	5.71	3.84	4.56
Mississippi .....	4.99	5.63	5.83	7.88	5.61	6.05	4.69	5.39
Missouri .....	6.45	6.84	6.94	9.68	6.26	9.16	10.09	10.67
Montana .....	5.06	5.44	5.82	6.64	6.25	6.34	6.58	7.84
Nebraska .....	4.62	4.65	4.89	7.19	5.07	4.74	4.03	4.74
Nevada .....	8.07	7.81	8.28	7.97	8.10	9.79	8.46	9.01
New Hampshire .....	8.19	8.15	8.48	10.99	8.84	8.64	9.86	11.66
New Jersey .....	6.41	5.72	5.44	7.73	6.06	5.54	6.27	6.46
New Mexico .....	3.47	4.12	4.94	6.28	3.80	3.80	3.91	3.86
New York .....	7.77	8.35	8.46	9.53	7.26	6.86	6.42	7.06
North Carolina .....	6.54	6.94	7.03	10.03	8.10	7.94	8.53	8.70
North Dakota .....	4.34	3.78	5.77	6.90	4.35	4.67	3.85	5.11
Ohio .....	5.88	6.65	6.91	9.32	6.90	6.59	7.80	8.32
Oklahoma .....	7.35	7.50	NA	8.94	7.13	7.87	7.84	8.47
Oregon .....	9.12	9.18	9.15	8.00	9.14	9.07	8.57	8.04
Pennsylvania .....	7.94	8.16	7.97	10.68	8.50	9.73	9.73	11.55
Rhode Island .....	10.14	10.10	NA	10.70	10.68	11.27	11.42	11.26
South Carolina .....	7.81	7.73	7.98	10.05	8.12	8.04	8.17	8.67
South Dakota .....	5.03	4.71	4.85	NA	NA	5.09	4.02	5.34
Tennessee .....	6.74	7.20	6.85	NA	7.31	NA	7.85	8.05
Texas .....	4.70	5.31	4.79	7.50	5.13	6.86	4.92	4.31
Utah .....	5.17	5.25	5.26	6.79	6.08	6.51	5.79	6.93
Vermont .....	8.23	8.30	8.23	7.95	8.35	8.61	8.65	8.85
Virginia .....	5.81	6.80	6.49	9.63	7.86	8.42	8.09	8.77
Washington .....	8.90	8.86	8.85	8.61	8.56	8.49	8.47	8.74
West Virginia .....	7.02	7.55	7.22	5.95	7.70	6.55	6.55	6.64
Wisconsin .....	5.70	5.52	5.99	7.60	5.44	6.17	3.62	4.57
Wyoming .....	4.92	5.30	4.93	8.31	4.92	6.68	8.11	8.85
<b>Total .....</b>	<b>6.29</b>	<b>6.51</b>	<b>6.55</b>	<b>8.45</b>	<b>6.45</b>	<b>6.91</b>	<b>6.38</b>	<b>6.92</b>

See footnotes at end of table.

**Table 22. Average Price of Natural Gas Sold to Commercial Consumers, by State, 2000-2002**

(Dollars per Thousand Cubic Feet) — Continued

State	2001							
	August	July	June	May	April	March	February	January
Alabama .....	11.25	11.31	11.40	11.22	10.68	10.90	11.06	9.46
Alaska .....	2.15	2.29	2.16	2.36	2.45	2.69	2.75	2.73
Arizona .....	8.29	8.23	8.02	8.11	7.53	7.57	8.40	7.47
Arkansas .....	NA	NA	NA	8.31	NA	NA	NA	8.66
California .....	6.45	7.06	9.31	10.40	11.17	13.70	13.76	11.91
Colorado .....	9.32	9.13	9.04	9.00	8.75	8.21	7.94	6.78
Connecticut .....	7.00	6.87	5.36	6.09	7.78	8.41	9.78	10.05
Delaware .....	11.25	10.98	10.64	10.81	10.10	7.96	11.18	7.78
District of Columbia .....	10.47	10.97	11.12	12.32	12.82	12.55	13.98	14.07
Florida .....	9.02	9.32	9.71	12.19	12.78	14.06	12.98	10.19
Georgia .....	6.44	7.28	7.13	7.74	8.60	9.77	11.36	10.90
Hawaii .....	17.54	17.24	17.17	17.22	16.78	17.31	18.15	18.91
Idaho .....	8.48	8.29	8.25	8.21	8.17	7.81	7.35	6.55
Illinois .....	7.61	7.48	9.12	8.86	8.61	9.10	10.85	11.23
Indiana .....	NA	NA	NA	NA	10.67	NA	NA	NA
Iowa .....	6.80	7.32	7.59	8.47	7.68	7.57	8.69	9.11
Kansas .....	8.33	8.39	9.61	10.13	8.66	8.83	9.88	10.56
Kentucky .....	9.04	10.21	NA	11.23	9.58	9.70	10.26	8.68
Louisiana .....	7.23	6.91	6.75	7.55	7.72	8.36	10.77	12.83
Maine .....	12.19	13.39	12.71	7.90	13.48	10.67	10.89	10.05
Maryland .....	8.78	9.12	10.69	11.14	11.05	10.03	12.43	11.22
Massachusetts .....	11.03	11.52	11.64	12.59	12.54	13.99	12.33	10.51
Michigan .....	6.94	7.23	6.79	6.60	5.08	4.85	4.80	4.83
Minnesota .....	5.32	5.62	6.06	7.43	7.74	7.77	9.43	11.44
Mississippi .....	5.70	5.78	6.98	8.19	8.80	7.92	8.32	11.65
Missouri .....	10.94	10.90	10.85	10.20	10.46	10.77	10.62	9.05
Montana .....	7.89	8.04	7.72	7.87	7.52	9.50	5.01	6.82
Nebraska .....	5.26	5.22	6.13	6.92	7.22	7.79	9.86	8.41
Nevada .....	8.77	8.09	7.91	7.81	7.79	7.62	7.65	6.22
New Hampshire .....	12.43	12.87	12.03	9.76	11.34	12.22	11.73	11.18
New Jersey .....	6.72	6.06	6.42	7.05	7.05	7.18	9.70	9.68
New Mexico .....	5.18	5.55	4.54	7.70	9.45	8.87	7.85	6.93
New York .....	7.57	8.12	9.18	10.37	10.29	10.77	11.92	11.86
North Carolina .....	9.35	9.70	9.88	9.88	10.30	11.48	11.71	10.43
North Dakota .....	5.45	6.36	7.51	7.49	7.38	7.27	8.59	10.12
Ohio .....	8.42	11.71	11.04	11.26	10.58	10.44	10.74	8.86
Oklahoma .....	8.10	9.26	9.78	9.13	8.84	9.13	9.65	9.45
Oregon .....	8.04	7.96	7.69	7.51	7.70	7.69	7.59	7.52
Pennsylvania .....	11.83	12.05	11.44	12.25	12.07	11.08	10.76	10.51
Rhode Island .....	11.77	12.25	11.78	10.82	10.44	10.36	10.42	10.35
South Carolina .....	8.72	8.72	9.04	9.65	10.11	10.64	12.03	12.35
South Dakota .....	5.39	6.19	6.90	7.20	7.66	7.20	9.25	10.81
Tennessee .....	9.02	8.43	9.22	9.04	8.80	8.88	12.47	9.89
Texas .....	4.32	6.62	7.30	9.60	7.39	8.35	9.51	10.63
Utah .....	7.13	7.05	6.90	6.87	6.54	7.28	7.23	7.19
Vermont .....	8.69	7.04	7.99	7.73	7.76	7.69	7.70	7.72
Virginia .....	9.25	10.05	9.95	9.47	9.37	9.34	10.99	10.85
Washington .....	9.23	9.17	9.18	9.04	9.04	9.05	8.72	7.33
West Virginia .....	6.75	7.14	6.71	6.58	6.38	6.31	6.60	2.97
Wisconsin .....	6.40	5.56	6.34	8.21	8.31	7.87	8.30	11.11
Wyoming .....	8.98	9.55	8.67	11.04	11.72	10.00	8.00	6.96
<b>Total .....</b>	<b>7.31</b>	<b>7.92</b>	<b>8.54</b>	<b>9.21</b>	<b>9.01</b>	<b>9.14</b>	<b>9.80</b>	<b>9.54</b>

<sup>R</sup> Revised Data.

NA Not Available.

**Notes:** Data through 2000 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to commercial consumers reflect onsystem sales prices only. See Appendix A, Explanatory Note 5 for

discussion of computations and revision policy. See Table 25 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries.

**Source:** Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

**Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 2000-2002**

(Dollars per Thousand Cubic Feet)

State	YTD 2002	YTD 2001	YTD 2000	2002				
				August	July	June	May	April
Alabama .....	4.21	7.03	4.11	3.68	3.87	3.93	4.63	4.24
Alaska .....	NA	1.59	1.42	1.56	1.58	NA	1.62	1.64
Arizona .....	5.21	5.93	4.09	4.67	4.92	4.57	4.95	5.51
Arkansas .....	4.85	6.91	4.94	4.50	5.03	5.01	5.05	4.28
California .....	4.85	9.35	4.55	4.38	4.64	4.55	4.95	5.60
Colorado .....	NA	4.31	3.29	2.67	2.48	2.59	2.88	3.76
Connecticut .....	4.75	7.45	5.31	4.16	4.12	4.85	4.86	4.15
Delaware .....	NA	7.22	4.56	6.47	6.29	NA	5.47	6.16
District of Columbia .....	—	—	—	—	—	—	—	—
Florida .....	4.49	7.61	5.33	4.75	4.82	5.12	4.84	4.29
Georgia .....	4.84	7.16	4.40	5.32	4.85	5.42	7.25	5.01
Hawaii .....	9.97	11.25	9.56	10.43	10.22	10.63	9.97	9.66
Idaho .....	NA	6.04	3.66	NA	NA	7.48	7.78	7.75
Illinois .....	4.82	6.10	4.63	4.70	4.97	5.98	5.91	4.82
Indiana .....	6.17	NA	4.81	5.04	5.47	6.17	7.63	7.18
Iowa .....	NA	NA	4.46	NA	5.01	5.17	5.17	4.27
Kansas .....	3.97	5.39	3.87	3.78	3.83	3.88	3.99	4.00
Kentucky .....	4.38	7.15	4.01	3.95	4.10	4.22	4.46	4.54
Louisiana .....	NA	5.58	3.34	3.24	3.52	NA	3.64	3.52
Maine .....	4.44	8.99	3.84	4.40	4.39	4.41	4.93	4.43
Maryland .....	NA	10.11	7.27	NA	9.00	NA	6.57	7.90
Massachusetts .....	NA	10.72	6.80	8.76	NA	10.43	11.38	NA
Michigan .....	NA	4.54	3.73	5.39	NA	5.09	4.93	4.81
Minnesota .....	NA	6.09	3.72	NA	NA	4.88	3.96	4.54
Mississippi .....	4.12	6.48	4.00	4.11	4.19	4.25	4.28	4.52
Missouri .....	5.61	8.74	4.93	6.08	6.29	5.92	5.94	5.89
Montana .....	3.89	5.35	6.79	5.14	4.57	3.74	3.41	3.58
Nebraska .....	3.95	6.51	4.18	3.82	4.04	3.64	4.33	4.36
Nevada .....	7.43	NA	4.51	8.92	9.01	6.63	7.03	6.73
New Hampshire .....	NA	10.46	5.51	6.63	6.81	5.53	7.81	NA
New Jersey .....	NA	6.32	4.48	NA	4.42	4.69	4.58	3.50
New Mexico .....	3.98	6.53	3.83	3.79	3.77	3.96	3.89	3.43
New York .....	5.83	8.45	5.39	5.23	5.37	5.20	5.59	5.75
North Carolina .....	4.37	7.31	4.81	5.30	4.73	4.67	3.85	2.59
North Dakota .....	NA	6.44	3.46	NA	3.83	3.92	5.30	4.49
Ohio .....	NA	9.25	4.58	5.65	NA	5.56	5.34	6.14
Oklahoma .....	6.77	8.16	4.77	4.85	7.07	6.39	6.04	7.61
Oregon .....	7.24	5.80	4.67	7.18	6.74	7.06	7.23	7.15
Pennsylvania .....	6.94	7.91	4.70	6.07	6.10	5.95	6.24	7.07
Rhode Island .....	5.70	6.97	4.46	4.41	4.91	4.67	6.88	5.75
South Carolina .....	4.25	6.38	4.42	4.62	4.54	4.50	4.59	4.45
South Dakota .....	4.21	6.80	3.60	4.49	4.52	4.53	4.41	4.06
Tennessee .....	5.06	7.49	4.71	4.34	4.57	4.88	5.27	5.17
Texas .....	NA	5.27	3.35	NA	3.46	3.48	3.57	2.95
Utah .....	NA	5.52	3.43	2.79	NA	4.05	4.34	4.63
Vermont .....	4.30	5.56	2.74	4.04	4.19	4.23	4.41	4.08
Virginia .....	4.44	7.56	4.82	3.52	3.88	4.40	4.10	4.79
Washington .....	NA	5.48	3.64	NA	NA	NA	4.34	4.98
West Virginia .....	NA	5.54	4.17	NA	4.73	5.13	4.56	4.79
Wisconsin .....	5.28	7.67	4.52	5.64	5.19	5.95	4.82	5.63
Wyoming .....	NA	7.38	3.78	NA	4.21	4.69	4.60	4.73
<b>Total .....</b>	<b>3.78</b>	<b>5.92</b>	<b>3.86</b>	<b>3.68</b>	<b>3.77</b>	<b>3.88</b>	<b>4.01</b>	<b>3.61</b>

See footnotes at end of table.

**Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 2000-2002**

(Dollars per Thousand Cubic Feet) — Continued

State	2002			2001				
	March	February	January	Total	December	November	October	September
Alabama .....	4.13	4.44	4.62	6.19	4.49	4.72	4.20	4.48
Alaska .....	1.66	1.68	2.18	1.66	1.86	1.79	1.82	1.76
Arizona .....	5.29	5.63	5.75	5.78	5.92	5.70	4.96	5.09
Arkansas .....	4.63	5.00	5.17	6.56	5.91	6.00	5.52	5.73
California .....	4.38	4.65	5.67	7.74	4.38	3.98	3.85	4.50
Colorado .....	3.08	2.96	NA	3.86	2.82	3.01	2.37	3.54
Connecticut .....	4.94	5.16	5.18	6.60	5.69	4.91	4.50	5.05
Delaware .....	6.11	6.02	6.58	6.87	6.13	5.70	6.21	6.31
District of Columbia .....	—	—	—	—	—	—	—	—
Florida .....	4.97	3.46	4.44	6.93	4.13	4.40	5.53	5.89
Georgia .....	3.81	3.59	3.83	6.10	3.49	4.40	3.09	3.94
Hawaii .....	9.85	10.48	8.59	11.11	10.56	10.76	11.18	10.62
Idaho .....	8.07	7.65	7.64	6.58	8.96	7.33	7.26	8.17
Illinois .....	4.40	4.66	4.21	5.55	4.36	3.56	3.70	4.35
Indiana .....	4.60	6.20	7.62	NA	3.52	7.38	4.05	NA
Iowa .....	4.73	4.31	4.29	NA	NA	4.22	3.83	5.09
Kansas .....	4.02	4.86	5.22	4.83	3.89	3.02	3.18	4.12
Kentucky .....	4.11	4.65	4.83	6.40	4.73	5.05	4.74	4.25
Louisiana .....	3.06	2.90	3.22	4.77	3.25	3.61	3.03	3.54
Maine .....	3.73	—	7.25	8.33	4.60	4.42	5.75	8.25
Maryland .....	6.21	7.63	NA	9.12	6.98	7.44	6.26	6.69
Massachusetts .....	NA	8.52	8.29	NA	NA	8.11	6.99	9.95
Michigan .....	4.97	5.01	4.93	4.66	5.00	5.05	5.02	5.05
Minnesota .....	3.50	3.57	3.85	5.22	4.18	4.05	2.51	3.71
Mississippi .....	3.83	3.72	4.20	NA	3.74	NA	3.82	3.97
Missouri .....	5.00	5.29	5.97	7.23	2.64	7.32	7.58	7.48
Montana .....	3.72	3.90	4.30	5.30	4.80	4.96	5.94	6.72
Nebraska .....	3.90	3.57	4.05	5.74	4.02	4.08	3.31	3.84
Nevada .....	7.85	6.91	7.71	NA	1.96	9.37	9.11	NA
New Hampshire .....	NA	NA	6.06	7.72	4.60	4.93	3.71	4.59
New Jersey .....	3.35	3.90	3.35	5.40	4.45	3.41	3.57	3.95
New Mexico .....	3.94	4.74	4.87	5.82	2.52	2.81	2.96	3.31
New York .....	6.25	6.41	6.26	7.80	6.61	5.25	5.04	6.70
North Carolina .....	4.06	5.44	4.77	NA	4.14	4.38	NA	5.82
North Dakota .....	6.24	2.22	1.17	5.28	3.37	4.05	2.51	3.11
Ohio .....	5.97	6.18	6.63	8.68	6.81	6.53	7.53	8.90
Oklahoma .....	<sup>R</sup> 7.04	<sup>R</sup> 7.06	<sup>R</sup> 6.88	7.86	6.79	6.61	7.33	6.59
Oregon .....	7.29	7.38	7.40	6.10	7.26	7.26	6.63	5.72
Pennsylvania .....	7.50	7.44	7.57	7.47	6.74	7.26	4.97	6.14
Rhode Island .....	5.87	6.70	6.85	6.54	6.46	5.63	4.84	5.74
South Carolina .....	3.79	3.46	4.11	5.46	3.96	4.54	3.35	3.86
South Dakota .....	4.08	4.10	4.14	6.08	4.05	4.06	4.26	5.01
Tennessee .....	5.31	5.12	5.36	NA	5.09	NA	4.89	5.63
Texas .....	2.80	2.39	2.84	4.45	2.73	3.20	2.34	2.65
Utah .....	4.59	4.74	4.96	5.28	4.91	5.05	4.26	4.93
Vermont .....	4.36	4.40	4.46	5.09	4.23	4.30	4.41	4.36
Virginia .....	4.98	4.79	4.82	NA	5.27	NA	NA	5.51
Washington .....	4.88	NA	4.81	NA	4.43	4.97	NA	4.00
West Virginia .....	3.86	3.78	NA	3.80	2.85	2.84	2.78	3.54
Wisconsin .....	4.99	4.99	5.52	6.75	5.21	5.53	3.30	4.04
Wyoming .....	4.71	4.75	4.78	7.08	5.48	5.09	7.76	7.82
<b>Total .....</b>	<b>3.75</b>	<b>3.64</b>	<b>3.93</b>	<b>5.16</b>	<b>3.63</b>	<b>3.93</b>	<b>3.24</b>	<b>3.52</b>

See footnotes at end of table.

**Table 23. Average Price of Natural Gas Sold to Industrial Consumers, by State, 2000-2002**

(Dollars per Thousand Cubic Feet) — Continued

State	2001							
	August	July	June	May	April	March	February	January
Alabama .....	5.15	5.42	5.62	6.67	7.16	6.75	8.73	9.81
Alaska .....	1.75	1.74	1.49	1.52	1.51	1.55	1.55	1.56
Arizona .....	5.73	4.60	5.58	5.78	5.93	5.97	6.74	8.07
Arkansas .....	5.72	6.16	5.90	6.57	5.55	7.17	7.67	8.42
California .....	5.52	6.07	8.32	8.86	11.74	11.68	11.11	8.95
Colorado .....	3.92	3.95	4.12	3.50	4.02	3.98	4.91	6.10
Connecticut .....	4.48	3.03	6.10	7.02	8.05	8.18	11.55	9.87
Delaware .....	6.56	6.67	6.91	8.22	7.38	11.56	4.62	7.39
District of Columbia .....	—	—	—	—	—	—	—	—
Florida .....	5.85	6.79	6.41	8.02	8.40	8.16	7.85	8.13
Georgia .....	4.35	4.70	5.31	6.06	6.27	7.80	9.75	10.30
Hawaii .....	10.89	11.07	11.17	11.23	11.08	11.04	11.84	11.65
Idaho .....	6.90	6.66	6.37	6.59	6.89	6.35	5.56	4.87
Illinois .....	4.79	2.03	3.90	2.71	5.17	7.02	9.57	10.59
Indiana .....	8.79	NA	8.72	9.74	9.41	12.41	8.09	8.85
Iowa .....	5.39	NA	8.02	6.30	7.87	9.41	8.36	9.46
Kansas .....	4.49	4.77	5.15	6.04	7.03	7.49	10.27	8.66
Kentucky .....	5.06	5.53	5.85	6.26	7.23	7.76	8.16	8.35
Louisiana .....	3.88	4.00	4.51	5.07	5.49	5.32	6.61	9.56
Maine .....	6.65	8.06	7.98	8.00	9.16	9.43	10.22	9.22
Maryland .....	7.07	7.38	9.40	9.60	10.06	10.79	15.14	12.19
Massachusetts .....	9.47	8.94	9.06	10.33	12.69	13.84	9.71	9.44
Michigan .....	5.11	5.19	5.63	5.62	4.30	4.36	4.30	4.25
Minnesota .....	3.74	3.81	4.32	5.57	6.24	6.02	6.78	11.91
Mississippi .....	4.36	4.81	4.58	6.05	6.08	6.44	6.95	11.40
Missouri .....	8.01	7.94	8.37	8.57	9.09	9.76	10.22	7.63
Montana .....	6.72	6.22	6.05	5.08	4.91	5.01	6.10	4.75
Nebraska .....	4.41	4.28	4.76	5.36	6.77	7.16	8.59	7.53
Nevada .....	NA	6.93	7.41	7.39	6.86	7.32	7.27	5.46
New Hampshire .....	5.80	8.22	9.55	8.00	10.92	12.66	11.42	11.24
New Jersey .....	3.85	5.39	5.70	6.34	6.55	7.24	9.50	8.29
New Mexico .....	4.52	4.27	4.23	6.52	8.04	6.95	7.37	3.72
New York .....	4.73	5.10	7.45	8.36	8.11	9.21	11.05	9.65
North Carolina .....	5.24	5.48	5.25	5.87	6.80	6.40	12.01	9.84
North Dakota .....	3.82	3.68	4.50	5.47	5.83	5.81	7.08	9.82
Ohio .....	6.94	7.92	11.26	7.57	10.19	10.29	11.06	7.83
Oklahoma .....	6.82	9.11	8.18	7.97	7.90	7.89	7.90	8.85
Oregon .....	5.59	5.53	5.59	5.79	5.80	5.86	5.93	6.21
Pennsylvania .....	5.81	6.23	6.89	7.40	8.59	9.19	7.43	8.99
Rhode Island .....	5.89	5.22	5.70	7.11	7.24	7.40	7.99	9.03
South Carolina .....	4.33	4.50	5.11	6.30	6.61	6.64	7.97	10.41
South Dakota .....	5.09	5.13	5.62	5.89	5.66	6.42	8.75	7.83
Tennessee .....	5.60	5.80	6.44	6.81	7.04	7.40	10.26	8.58
Texas .....	3.44	3.43	3.88	4.81	5.38	5.26	6.31	9.14
Utah .....	4.99	4.89	4.42	5.14	5.52	5.88	6.18	6.58
Vermont .....	4.39	4.71	4.87	5.03	4.71	5.44	6.38	8.41
Virginia .....	4.10	5.01	4.89	5.61	6.14	8.56	9.60	10.11
Washington .....	3.49	4.72	6.58	5.25	5.73	3.76	6.71	7.42
West Virginia .....	3.70	3.87	4.35	5.76	6.36	5.41	6.69	8.68
Wisconsin .....	4.59	4.55	6.09	6.87	7.75	7.04	7.61	11.36
Wyoming .....	8.01	8.06	7.52	7.92	7.65	7.39	6.77	6.77
<b>Total .....</b>	<b>3.98</b>	<b>4.08</b>	<b>4.66</b>	<b>5.32</b>	<b>6.02</b>	<b>6.21</b>	<b>7.17</b>	<b>8.60</b>

<sup>R</sup> Revised Data.

NA Not Available.

— Not Applicable.

**Notes:** Data through 2000 are final. All other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia. Average prices for gas delivered to industrial consumers

reflect onsystem sales prices only. See Appendix A, Explanatory Note 5 for discussion of computations and revision policy. See Table 25 for data on onsystem sales expressed as a percentage of both total commercial and total industrial deliveries.

**Source:** Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

**Table 24. Average Price of Natural Gas Delivered to Electric Utility<sup>a</sup> Consumers, by State, 2000-2002**

(Dollars per Thousand Cubic Feet)

State	YTD 2002	YTD 2001	YTD 2000	2002				
				July	June	May	April	March
Alabama .....	NA	5.55	4.53	NA	NA	3.82	3.75	3.07
Alaska .....	NA	2.24	1.68	NA	NA	2.38	2.46	2.77
Arizona .....	NA	5.36	3.99	NA	NA	3.23	3.29	3.45
Arkansas .....	NA	5.43	3.75	NA	NA	4.16	3.69	3.82
California .....	NA	10.74	4.02	NA	NA	3.80	4.09	4.42
Colorado .....	NA	4.62	3.38	NA	NA	2.68	3.03	3.01
Connecticut .....	NA	—	—	NA	NA	—	—	—
Delaware .....	NA	5.45	4.82	NA	NA	4.12	3.86	3.86
District of Columbia .....	NA	—	—	NA	NA	—	—	—
Florida .....	NA	6.06	3.97	NA	NA	4.30	4.27	3.64
Georgia .....	NA	4.24	4.14	NA	NA	2.81	3.86	3.66
Hawaii .....	NA	—	—	NA	NA	—	—	—
Idaho .....	NA	—	—	NA	NA	—	—	—
Illinois .....	NA	5.15	4.12	NA	NA	5.71	4.34	3.19
Indiana .....	NA	6.26	4.13	NA	NA	6.35	3.25	3.25
Iowa .....	NA	5.28	3.96	NA	NA	4.20	4.34	3.18
Kansas .....	NA	4.20	3.49	NA	NA	3.39	3.45	2.94
Kentucky .....	NA	5.44	5.43	NA	NA	4.05	5.70	4.61
Louisiana .....	NA	5.42	3.73	NA	NA	3.84	3.77	3.18
Maine .....	NA	—	—	NA	NA	—	—	—
Maryland .....	NA	—	4.35	NA	NA	—	—	—
Massachusetts .....	NA	4.99	4.01	NA	NA	4.04	4.02	3.89
Michigan .....	NA	3.98	2.72	NA	NA	2.02	3.38	2.10
Minnesota .....	NA	5.22	3.89	NA	NA	3.66	3.96	2.55
Mississippi .....	NA	4.87	3.46	NA	NA	3.74	3.60	2.83
Missouri .....	NA	5.15	3.81	NA	NA	3.68	3.72	3.24
Montana .....	NA	7.77	4.58	NA	NA	4.90	4.98	4.82
Nebraska .....	NA	5.03	4.24	NA	NA	4.47	3.65	4.57
Nevada .....	NA	8.24	3.49	NA	NA	5.25	6.13	7.28
New Hampshire .....	NA	—	3.27	NA	NA	3.81	3.97	—
New Jersey .....	NA	—	4.38	NA	NA	—	—	—
New Mexico .....	NA	4.99	3.31	NA	NA	3.15	3.13	3.47
New York .....	NA	5.66	4.16	NA	NA	3.94	3.86	3.26
North Carolina .....	NA	5.17	4.12	NA	NA	3.80	3.79	4.84
North Dakota .....	NA	6.31	—	NA	NA	—	—	2.68
Ohio .....	NA	9.07	4.09	NA	NA	5.15	6.36	5.78
Oklahoma .....	NA	5.35	3.86	NA	NA	3.80	3.81	3.17
Oregon .....	NA	4.06	2.61	NA	NA	3.15	2.95	3.30
Pennsylvania .....	NA	7.85	3.51	NA	NA	—	—	—
Rhode Island .....	NA	—	—	NA	NA	—	—	—
South Carolina .....	NA	6.54	5.30	NA	NA	—	4.29	4.48
South Dakota .....	NA	—	—	NA	NA	—	—	—
Tennessee .....	NA	—	—	NA	NA	—	—	—
Texas .....	NA	5.07	3.53	NA	NA	3.58	3.54	3.05
Utah .....	NA	4.86	3.38	NA	NA	—	3.54	6.10
Vermont .....	NA	4.90	4.18	NA	NA	—	—	3.13
Virginia .....	NA	5.58	4.14	NA	NA	5.58	5.55	7.43
Washington .....	NA	—	—	NA	NA	—	—	—
West Virginia .....	NA	7.26	4.19	NA	NA	4.46	3.90	3.44
Wisconsin .....	NA	5.48	3.84	NA	NA	3.92	3.98	3.41
Wyoming .....	NA	4.19	3.81	NA	NA	—	3.91	4.43
<b>Total .....</b>	<b>NA</b>	<b>5.42</b>	<b>3.64</b>	<b>NA</b>	<b>NA</b>	<b>3.73</b>	<b>3.85</b>	<b>3.40</b>

See footnotes at end of table.



**Table 24. Average Price of Natural Gas Delivered to Electric Utility<sup>a</sup> Consumers, by State, 2000-2002**

(Dollars per Thousand Cubic Feet) — Continued

State	2002		2001					
	February	January	Total	December	November	October	September	August
Alabama .....	2.44	2.66	4.50	2.57	4.96	2.56	3.88	3.37
Alaska .....	2.57	2.57	2.37	2.60	2.59	2.66	2.45	2.46
Arizona .....	2.66	3.33	4.71	2.93	3.13	2.67	2.88	3.64
Arkansas .....	2.66	2.64	4.47	2.70	3.60	2.44	2.67	3.24
California .....	4.58	5.93	8.59	5.64	3.43	4.03	5.01	5.98
Colorado .....	2.67	2.95	3.86	2.73	3.42	2.36	2.87	2.82
Connecticut .....	—	—	—	—	—	—	—	—
Delaware .....	3.05	3.30	4.46	3.12	—	3.74	—	4.00
District of Columbia .....	—	—	—	—	—	—	—	—
Florida .....	3.29	3.48	4.79	3.15	3.83	2.80	3.68	4.38
Georgia .....	2.70	8.67	3.61	3.52	—	2.55	2.45	3.26
Hawaii .....	—	—	—	—	—	—	—	—
Idaho .....	—	—	—	—	—	—	—	—
Illinois .....	3.14	3.23	4.01	3.04	2.14	2.85	4.35	3.76
Indiana .....	3.07	3.36	5.26	4.07	3.95	4.04	3.78	4.07
Iowa .....	2.91	3.44	4.48	3.66	3.82	2.69	3.13	3.57
Kansas .....	2.27	2.26	3.64	2.63	2.56	2.35	2.37	3.23
Kentucky .....	3.97	3.55	4.40	3.65	4.50	2.83	2.85	3.75
Louisiana .....	2.49	2.76	4.30	2.78	3.15	2.26	2.44	3.22
Maine .....	—	—	—	—	—	—	—	—
Maryland .....	—	—	—	—	—	—	—	—
Massachusetts .....	3.26	3.23	3.71	3.30	3.20	2.82	2.81	3.57
Michigan .....	2.64	3.08	3.36	2.82	2.37	2.80	2.60	3.13
Minnesota .....	4.16	3.94	4.67	3.48	2.99	3.50	3.86	4.15
Mississippi .....	2.36	2.62	3.69	2.48	2.67	2.13	2.64	3.54
Missouri .....	3.04	3.19	4.67	3.01	3.02	2.90	4.62	5.01
Montana .....	4.68	4.89	7.20	4.85	5.07	5.44	5.34	6.26
Nebraska .....	2.22	3.12	4.52	3.66	4.34	2.53	3.78	3.82
Nevada .....	8.09	7.83	8.36	5.79	3.72	10.64	13.58	9.42
New Hampshire .....	—	—	2.56	—	—	2.55	2.47	3.54
New Jersey .....	—	—	3.21	3.58	3.03	3.03	—	—
New Mexico .....	2.91	2.68	4.21	2.56	2.99	2.31	2.80	3.21
New York .....	2.83	3.38	4.24	3.12	3.54	2.75	2.88	3.72
North Carolina .....	4.47	4.88	4.76	4.70	5.40	3.58	3.80	4.63
North Dakota .....	2.88	—	5.93	—	—	—	4.49	—
Ohio .....	3.98	5.95	8.33	5.77	4.37	6.30	9.74	6.51
Oklahoma .....	2.90	3.15	4.40	3.16	3.53	3.03	2.73	3.49
Oregon .....	2.96	3.36	3.80	3.85	3.62	3.23	3.20	3.25
Pennsylvania .....	—	—	7.85	—	—	—	—	—
Rhode Island .....	—	—	—	—	—	—	—	—
South Carolina .....	6.12	4.13	4.87	5.73	5.85	2.34	5.68	5.84
South Dakota .....	—	—	—	—	—	—	—	—
Tennessee .....	—	—	—	—	—	—	—	—
Texas .....	2.66	2.74	4.26	2.84	3.07	2.53	2.70	3.46
Utah .....	9.98	11.71	4.97	—	10.12	6.67	3.96	3.64
Vermont .....	2.73	3.54	4.90	—	—	—	—	—
Virginia .....	11.52	8.92	4.39	3.52	—	—	3.06	4.05
Washington .....	—	—	—	—	—	—	—	—
West Virginia .....	2.98	4.66	5.96	2.97	4.07	5.44	4.07	4.25
Wisconsin .....	3.30	3.27	4.72	3.65	3.62	2.81	3.33	4.08
Wyoming .....	5.09	7.21	4.04	—	—	3.61	—	3.03
<b>Total .....</b>	<b>3.10</b>	<b>3.39</b>	<b>4.51</b>	<b>3.11</b>	<b>3.31</b>	<b>2.79</b>	<b>3.15</b>	<b>3.73</b>

See footnotes at end of table.

**Table 24. Average Price of Natural Gas Delivered to Electric Utility<sup>a</sup> Consumers, by State, 2000-2002**

(Dollars per Thousand Cubic Feet) — Continued

State	2001							2000
	July	June	May	April	March	February	January	Total
Alabama .....	3.55	5.21	5.08	5.88	6.26	6.05	9.75	4.52
Alaska .....	2.44	2.32	2.27	2.32	2.13	2.13	2.12	1.77
Arizona .....	3.55	3.94	4.46	5.35	5.69	6.76	9.53	4.86
Arkansas .....	3.53	4.16	5.24	6.68	5.49	6.31	8.88	4.46
California .....	8.55	8.26	10.64	10.04	10.33	14.57	12.35	5.88
Colorado .....	2.78	3.36	4.13	5.06	5.26	6.13	7.11	4.12
Connecticut .....	—	—	—	—	—	—	—	—
Delaware .....	4.16	4.76	—	7.55	6.94	7.43	10.46	4.92
District of Columbia .....	—	—	—	—	—	—	—	—
Florida .....	4.53	4.81	5.93	6.35	5.59	8.91	10.87	4.50
Georgia .....	3.13	3.82	5.21	5.93	8.07	6.90	7.23	4.31
Hawaii .....	—	—	—	—	—	—	—	—
Idaho .....	—	—	—	—	—	—	—	—
Illinois .....	4.81	5.23	4.44	6.18	5.57	6.44	9.49	4.84
Indiana .....	4.56	4.67	5.85	6.05	6.80	7.98	7.71	4.56
Iowa .....	3.97	4.81	6.49	6.35	6.23	7.11	5.31	4.56
Kansas .....	3.26	3.89	4.51	5.33	5.78	6.06	9.10	4.18
Kentucky .....	3.80	4.45	8.53	—	7.18	8.24	10.32	5.08
Louisiana .....	3.40	4.06	5.03	5.82	5.65	6.88	10.07	4.55
Maine .....	—	—	—	—	—	—	—	—
Maryland .....	—	—	—	—	—	—	—	4.62
Massachusetts .....	3.43	4.41	5.04	7.08	7.14	7.46	13.46	4.60
Michigan .....	3.83	4.52	5.08	5.03	5.32	5.11	1.33	2.77
Minnesota .....	4.19	4.80	4.66	5.74	5.31	7.83	11.79	4.54
Mississippi .....	3.59	4.07	4.77	5.52	5.37	6.38	10.26	4.01
Missouri .....	4.80	4.68	4.37	5.82	4.89	6.09	12.36	4.42
Montana .....	7.66	7.94	7.66	7.25	8.32	9.73	10.88	5.81
Nebraska .....	3.83	3.55	3.78	6.88	5.80	9.75	23.69	4.60
Nevada .....	9.88	7.06	7.04	6.24	7.60	9.05	10.52	4.86
New Hampshire .....	—	—	—	—	—	—	—	3.37
New Jersey .....	—	—	—	—	—	—	—	4.42
New Mexico .....	3.40	3.92	4.94	5.45	6.07	6.06	7.87	3.94
New York .....	3.54	4.43	5.31	6.12	6.32	8.12	17.03	4.68
North Carolina .....	4.69	5.34	6.06	7.81	—	—	—	4.43
North Dakota .....	—	—	6.28	—	6.52	—	—	—
Ohio .....	8.52	9.49	9.45	9.22	9.50	9.51	7.47	4.97
Oklahoma .....	3.59	4.14	5.41	6.07	6.42	6.23	10.20	4.54
Oregon .....	3.32	3.59	3.72	4.12	4.32	4.16	5.41	2.94
Pennsylvania .....	—	—	—	—	5.53	7.29	11.04	3.83
Rhode Island .....	—	—	—	—	—	—	—	—
South Carolina .....	6.63	6.28	5.84	6.49	6.89	7.24	10.98	5.72
South Dakota .....	—	—	—	—	—	—	—	—
Tennessee .....	—	—	—	—	—	—	—	—
Texas .....	3.49	4.04	4.79	5.48	5.38	6.09	9.01	4.24
Utah .....	3.69	4.11	3.93	4.32	4.78	6.30	6.92	4.02
Vermont .....	—	4.67	4.63	5.84	5.84	7.69	—	4.91
Virginia .....	4.15	5.00	7.54	10.08	22.19	34.18	4.00	4.66
Washington .....	—	—	—	—	—	—	—	—
West Virginia .....	4.81	7.87	9.37	6.80	8.45	10.14	8.10	4.98
Wisconsin .....	3.66	4.65	5.66	6.07	5.88	6.57	8.65	4.48
Wyoming .....	3.48	2.66	3.71	4.06	5.06	4.91	5.00	3.92
<b>Total .....</b>	<b>3.84</b>	<b>4.35</b>	<b>5.15</b>	<b>5.70</b>	<b>5.69</b>	<b>6.85</b>	<b>9.47</b>	<b>4.38</b>

<sup>a</sup> Includes all steam electric utility generating plants with a combined capacity of 50 megawatts or greater.

NA Not Available.

— Not Applicable.

**Notes:** June and July 2002 data not available in time for publication. See box on page one for more information. Data through 2000 are final. All

other data are preliminary unless otherwise indicated. Geographic coverage is the 50 States and the District of Columbia.

**Sources:** Form FERC-423, "Monthly Report of Cost and Quality of Fuels for Electric Plants," and Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition."

**Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 2000-2002**

State	YTD 2002		YTD 2001		YTD 2000		2002	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	August	
							Commercial	Industrial
Alabama .....	NA	17.4	80.1	14.5	82.4	21.6	NA	17.7
Alaska .....	NA	NA	67.2	89.9	59.0	99.9	NA	78.7
Arizona .....	92.3	NA	92.4	53.2	83.5	37.6	88.1	38.4
Arkansas .....	NA	NA	NA	7.3	88.8	7.6	NA	2.7
California .....	66.8	3.5	62.1	3.1	57.1	5.4	61.8	4.6
Colorado .....	NA	NA	99.9	11.0	98.3	12.4	99.9	NA
Connecticut .....	NA	NA	76.3	54.0	78.1	44.8	78.4	44.0
Delaware .....	NA	NA	98.6	17.6	98.2	7.8	98.4	6.5
District of Columbia .....	21.9	—	26.9	—	38.9	—	18.0	—
Florida .....	41.2	1.2	54.4	2.5	68.6	4.6	35.9	1.4
Georgia .....	9.5	5.2	12.2	6.2	20.2	18.9	12.6	5.0
Hawaii .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho .....	77.6	NA	87.3	2.3	87.5	2.8	81.0	NA
Illinois .....	38.5	NA	41.2	12.1	42.0	8.1	28.0	5.1
Indiana .....	NA	5.9	NA	NA	77.0	8.2	NA	5.5
Iowa .....	78.9	NA	83.8	NA	80.7	6.2	65.5	NA
Kansas .....	59.7	NA	63.4	7.6	60.5	11.4	48.2	NA
Kentucky .....	74.4	15.9	82.0	16.4	86.1	19.3	71.8	16.9
Louisiana .....	NA	NA	96.3	8.5	96.8	11.4	NA	9.6
Maine .....	NA	NA	100.0	66.1	100.0	54.9	NA	100.0
Maryland .....	NA	NA	35.3	7.5	37.0	5.0	NA	NA
Massachusetts .....	47.0	NA	60.1	15.9	62.3	13.6	31.3	17.1
Michigan .....	65.4	NA	63.8	9.5	57.7	7.6	43.1	5.2
Minnesota .....	NA	NA	98.6	41.2	96.8	38.8	NA	NA
Mississippi .....	NA	26.0	93.6	26.2	95.7	26.5	NA	25.4
Missouri .....	77.5	15.5	82.9	14.4	81.0	16.9	65.8	8.8
Montana .....	74.2	2.3	76.6	2.3	71.0	1.9	69.7	0.7
Nebraska .....	59.4	13.6	62.3	17.7	60.9	13.8	63.0	7.0
Nevada .....	83.3	5.4	68.3	4.9	53.1	5.1	63.1	19.3
New Hampshire .....	NA	NA	88.4	26.8	89.2	37.1	72.4	NA
New Jersey .....	47.6	NA	60.5	42.7	57.2	46.5	27.1	NA
New Mexico .....	66.3	NA	63.3	18.6	57.5	16.6	59.7	18.8
New York .....	39.3	NA	45.6	2.8	35.7	3.4	21.1	NA
North Carolina .....	90.2	35.7	95.7	32.0	96.9	53.6	84.6	37.1
North Dakota .....	NA	NA	89.8	8.8	88.3	16.0	NA	NA
Ohio .....	35.1	NA	42.0	3.7	45.2	5.4	33.2	1.7
Oklahoma .....	NA	3.3	71.7	3.6	72.2	3.9	53.0	2.2
Oregon .....	95.0	12.7	99.7	15.6	98.8	12.3	97.5	8.7
Pennsylvania .....	55.4	5.0	64.5	9.4	59.2	11.1	41.9	4.1
Rhode Island .....	NA	2.7	61.2	3.2	55.4	6.2	37.2	100.0
South Carolina .....	98.0	82.6	97.4	80.8	98.9	86.7	94.3	78.1
South Dakota .....	NA	NA	84.6	43.9	81.8	29.4	73.1	20.2
Tennessee .....	NA	NA	92.8	20.6	93.2	37.8	73.2	19.2
Texas .....	84.6	NA	78.9	30.5	77.3	29.2	80.9	NA
Utah .....	83.7	NA	85.1	10.4	83.3	10.0	69.8	13.6
Vermont .....	100.0	75.9	100.0	76.3	100.0	83.3	100.0	67.3
Virginia .....	60.8	11.0	70.3	9.1	64.3	13.7	53.3	11.1
Washington .....	NA	NA	93.5	19.3	94.6	26.5	NA	NA
West Virginia .....	33.6	NA	69.1	8.2	54.6	7.0	12.2	NA
Wisconsin .....	73.6	18.8	76.1	19.5	78.1	20.9	49.3	14.5
Wyoming .....	84.2	NA	87.9	4.4	90.1	2.8	60.7	NA
<b>Total .....</b>	<b>60.9</b>	<b>18.9</b>	<b>66.1</b>	<b>16.1</b>	<b>62.7</b>	<b>18.0</b>	<b>46.9</b>	<b>18.8</b>

See footnotes at end of table.

**Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 2000-2002 — Continued**

State	2002							
	July		June		May		April	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama .....	70.5	16.2	72.2	15.2	72.0	14.2	78.1	15.7
Alaska .....	NA	80.6	70.7	NA	NA	81.3	61.6	99.4
Arizona .....	89.2	NA	89.6	45.9	90.3	45.2	92.1	51.2
Arkansas .....	NA	NA	NA	2.7	NA	2.8	NA	2.8
California .....	61.8	4.4	64.2	4.6	64.5	6.2	68.0	5.8
Colorado .....	99.7	NA	99.5	NA	99.6	NA	NA	NA
Connecticut .....	77.1	33.6	73.8	46.1	71.2	48.8	61.2	NA
Delaware .....	98.6	8.0	98.4	NA	98.3	14.7	NA	NA
District of Columbia .....	17.6	—	19.9	—	20.8	—	21.6	—
Florida .....	36.2	1.3	38.2	1.6	39.2	1.4	40.4	1.4
Georgia .....	10.1	5.6	11.0	5.4	10.1	5.0	11.7	5.5
Hawaii .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho .....	79.5	NA	76.2	1.9	79.0	0.9	73.2	2.4
Illinois .....	28.7	NA	27.3	6.8	34.6	7.2	37.9	9.8
Indiana .....	62.0	4.7	68.6	5.5	81.5	4.7	75.9	5.7
Iowa .....	64.3	4.7	67.3	4.7	77.1	4.6	83.2	6.2
Kansas .....	46.3	13.8	51.1	9.5	53.6	7.3	62.7	7.3
Kentucky .....	68.9	15.9	71.3	14.5	71.5	13.7	72.6	16.2
Louisiana .....	NA	9.2	NA	NA	NA	9.6	NA	12.5
Maine .....	NA	NA	37.8	NA	NA	NA	NA	100.0
Maryland .....	19.9	4.1	NA	NA	25.1	3.1	20.3	4.0
Massachusetts .....	40.3	NA	34.3	30.8	39.1	33.0	46.7	NA
Michigan .....	45.1	NA	54.5	5.6	58.1	8.0	65.5	11.1
Minnesota .....	82.8	NA	86.4	23.6	91.8	41.5	84.2	30.7
Mississippi .....	96.6	<sup>R</sup> 23.8	96.7	25.9	95.8	22.9	95.0	26.9
Missouri .....	67.5	8.3	70.1	8.8	53.9	9.1	82.2	14.1
Montana .....	66.8	0.9	66.0	1.3	69.8	2.1	73.2	2.4
Nebraska .....	61.0	6.2	51.2	20.6	50.1	12.7	51.5	15.0
Nevada .....	63.4	18.6	84.5	41.8	84.5	46.0	86.0	39.6
New Hampshire .....	64.7	NA	NA	51.9	75.7	38.7	NA	NA
New Jersey .....	29.1	16.7	36.9	17.6	29.3	18.0	49.7	20.7
New Mexico .....	60.0	17.4	61.4	NA	50.5	15.9	54.0	11.9
New York .....	21.1	13.8	29.0	8.7	36.8	9.5	44.4	NA
North Carolina .....	86.6	44.4	87.4	43.3	87.0	44.2	89.7	39.1
North Dakota .....	80.6	7.7	81.8	7.3	52.1	10.9	91.9	14.8
Ohio .....	25.3	NA	25.7	1.5	30.0	1.2	34.8	3.1
Oklahoma .....	59.0	1.2	62.2	<sup>R</sup> 1.8	59.8	2.2	73.4	3.1
Oregon .....	97.4	9.8	97.9	10.8	98.4	12.3	98.5	18.9
Pennsylvania .....	43.2	3.9	44.0	4.5	47.1	4.7	54.9	4.8
Rhode Island .....	45.1	61.9	50.8	82.2	51.3	55.4	56.4	67.9
South Carolina .....	99.0	86.6	98.6	82.4	100.0	85.4	99.7	82.6
South Dakota .....	68.7	14.6	74.0	20.1	80.0	37.9	85.3	43.1
Tennessee .....	73.2	19.5	NA	NA	85.1	23.5	91.4	22.1
Texas .....	89.1	<sup>R</sup> 47.3	89.3	40.8	89.3	41.8	73.4	48.7
Utah .....	69.4	NA	73.3	NA	72.9	13.1	78.5	94.6
Vermont .....	100.0	68.8	100.0	68.9	100.0	74.5	100.0	79.8
Virginia .....	52.2	10.8	51.6	9.8	58.7	14.2	58.9	14.2
Washington .....	NA	NA	NA	NA	92.4	29.5	92.5	36.0
West Virginia .....	11.0	11.8	15.0	10.3	21.7	15.8	37.4	18.7
Wisconsin .....	51.4	11.1	60.2	13.3	69.1	16.9	74.9	19.2
Wyoming .....	<sup>R</sup> 30.5	1.4	91.7	1.3	96.1	2.0	92.1	NA
<b>Total .....</b>	<b>47.8</b>	<b><sup>R</sup>18.6</b>	<b>52.5</b>	<b><sup>R</sup>20.3</b>	<b>57.0</b>	<b>19.7</b>	<b>60.3</b>	<b>22.5</b>

See footnotes at end of table.

**Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 2000-2002 — Continued**

State	2002						2001	
	March		February		January		Total	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama .....	81.8	17.7	80.9	17.5	76.0	19.0	77.9	14.6
Alaska .....	61.5	99.2	58.9	99.2	59.8	99.3	66.1	89.7
Arizona .....	93.2	64.1	94.8	53.9	94.9	68.9	93.1	55.6
Arkansas .....	NA	4.1	65.5	3.5	NA	4.7	NA	6.7
California .....	72.1	6.7	69.0	7.4	69.2	6.1	62.9	3.1
Colorado .....	99.5	0.1	99.2	—	89.0	NA	99.9	11.8
Connecticut .....	85.2	NA	NA	56.4	72.0	39.4	76.1	56.6
Delaware .....	NA	NA	98.1	13.3	97.6	12.6	98.5	16.5
District of Columbia .....	22.6	—	23.8	—	23.8	—	25.8	—
Florida .....	43.7	1.6	44.6	2.5	47.7	1.6	50.5	2.2
Georgia .....	9.8	4.8	8.1	6.3	8.5	5.7	11.0	5.9
Hawaii .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho .....	75.6	2.6	78.6	2.8	79.9	2.6	83.9	2.2
Illinois .....	41.0	10.6	43.1	10.7	41.3	11.3	40.0	NA
Indiana .....	78.9	9.0	76.2	7.2	76.9	7.5	NA	NA
Iowa .....	80.7	7.6	82.4	4.6	79.6	8.3	NA	NA
Kansas .....	63.1	3.7	64.0	2.8	60.9	2.7	60.5	7.7
Kentucky .....	68.0	17.6	77.1	16.9	81.9	16.6	80.1	15.9
Louisiana .....	NA	12.8	66.0	9.2	61.2	8.3	NA	8.5
Maine .....	50.2	100.0	53.3	—	57.4	100.0	100.0	44.7
Maryland .....	29.7	2.4	34.0	4.5	36.3	NA	33.5	NA
Massachusetts .....	56.4	NA	50.2	55.1	55.3	29.3	56.3	NA
Michigan .....	76.1	13.7	68.7	12.9	68.5	14.0	63.3	8.6
Minnesota .....	NA	39.1	90.8	16.0	93.2	21.3	98.2	40.6
Mississippi .....	96.1	27.2	95.9	29.5	97.4	27.4	94.1	NA
Missouri .....	85.8	23.0	80.4	24.4	80.1	21.4	80.3	15.3
Montana .....	81.8	3.7	73.6	3.0	74.6	3.1	76.8	2.2
Nebraska .....	58.7	25.4	57.5	16.6	75.0	19.4	61.4	16.6
Nevada .....	87.3	60.8	88.7	46.5	88.0	60.0	73.2	7.8
New Hampshire .....	84.2	NA	84.0	NA	84.5	32.1	84.7	32.0
New Jersey .....	53.8	20.2	55.3	21.4	59.7	27.2	59.0	43.8
New Mexico .....	63.7	8.8	75.9	4.9	78.2	4.3	66.3	17.3
New York .....	48.4	8.5	49.3	14.2	50.4	8.9	43.9	2.6
North Carolina .....	90.6	27.0	91.6	25.1	92.7	29.9	93.3	28.7
North Dakota .....	NA	18.1	92.8	15.4	93.3	14.4	90.2	9.9
Ohio .....	33.8	3.3	37.1	3.3	41.3	3.5	40.8	3.3
Oklahoma .....	81.5	NA	74.5	NA	NA	NA	70.4	3.4
Oregon .....	98.9	19.9	98.9	20.4	83.7	18.5	99.3	15.6
Pennsylvania .....	57.7	5.7	60.4	6.8	62.7	7.3	62.8	8.5
Rhode Island .....	NA	62.9	61.1	48.3	NA	53.4	58.0	2.9
South Carolina .....	97.0	78.8	97.2	81.9	98.4	84.6	96.6	79.9
South Dakota .....	89.3	36.7	85.3	50.0	NA	NA	NA	41.9
Tennessee .....	91.9	28.6	93.7	24.4	88.5	26.4	91.8	19.8
Texas .....	75.3	29.5	90.8	31.0	91.9	29.4	80.9	30.7
Utah .....	90.3	93.6	87.1	94.8	87.3	94.4	84.6	10.5
Vermont .....	100.0	80.2	100.0	79.9	100.0	79.3	100.0	76.0
Virginia .....	61.8	18.5	66.0	19.8	64.4	14.1	67.5	NA
Washington .....	93.5	30.7	93.6	NA	73.2	37.1	94.0	NA
West Virginia .....	44.5	14.4	51.0	14.2	45.8	NA	60.4	15.4
Wisconsin .....	78.9	23.6	78.5	21.5	78.4	23.2	76.3	18.9
Wyoming .....	89.4	2.9	91.4	2.0	83.0	1.8	86.0	4.1
<b>Total .....</b>	<b>65.6</b>	<b>NA</b>	<b>65.6</b>	<b>17.1</b>	<b>66.8</b>	<b>17.1</b>	<b>65.0</b>	<b>16.1</b>

See footnotes at end of table.

**Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 2000-2002 — Continued**

State	2001							
	December		November		October		September	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama .....	72.3	13.9	71.1	14.0	72.1	11.5	70.8	13.5
Alaska .....	63.9	99.4	64.6	99.3	62.1	94.9	68.9	94.4
Arizona .....	96.0	63.8	94.1	64.2	94.5	63.0	93.4	54.9
Arkansas .....	NA	6.0	NA	6.0	NA	6.3	NA	4.5
California .....	68.3	5.1	63.5	5.3	64.0	5.2	60.8	4.1
Colorado .....	100.0	0.2	100.0	0.5	100.0	0.6	100.0	2.3
Connecticut .....	84.0	50.2	68.6	60.2	71.2	75.6	73.9	60.4
Delaware .....	98.1	16.7	98.0	15.3	98.4	12.1	98.8	14.6
District of Columbia .....	25.5	—	22.5	—	21.4	—	19.2	—
Florida .....	44.5	3.0	40.7	2.3	40.7	1.9	41.7	1.7
Georgia .....	7.3	6.0	10.5	6.1	7.4	5.5	9.9	5.5
Hawaii .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho .....	79.4	2.4	76.0	1.9	69.3	1.6	75.9	1.6
Illinois .....	41.4	NA	36.0	9.8	36.0	8.0	30.9	7.3
Indiana .....	81.3	9.1	72.1	5.9	68.9	7.4	NA	NA
Iowa .....	NA	NA	75.9	9.5	71.7	6.9	60.1	4.4
Kansas .....	54.7	3.6	46.7	6.6	48.0	6.4	53.5	14.0
Kentucky .....	75.0	14.4	79.1	13.8	73.5	16.5	71.6	14.6
Louisiana .....	96.1	8.7	96.3	9.2	96.0	7.9	NA	8.4
Maine .....	100.0	7.6	100.0	20.1	100.0	32.9	100.0	19.1
Maryland .....	37.5	NA	27.6	5.5	28.7	NA	18.0	5.3
Massachusetts .....	45.7	NA	50.7	28.8	42.1	18.0	45.1	17.8
Michigan .....	68.3	11.6	61.7	9.3	57.2	7.0	49.2	5.8
Minnesota .....	95.6	39.6	98.0	32.2	98.5	50.4	98.7	36.5
Mississippi .....	95.1	28.3	94.9	NA	95.8	20.4	96.2	28.0
Missouri .....	77.6	31.3	71.0	11.6	67.9	9.3	67.2	9.0
Montana .....	81.5	3.0	75.4	1.9	75.0	1.2	67.7	1.0
Nebraska .....	55.2	16.7	59.0	10.6	69.3	17.7	58.1	11.8
Nevada .....	88.9	77.6	85.2	45.9	82.9	39.3	71.1	33.4
New Hampshire .....	80.9	41.3	81.8	56.5	51.6	32.2	52.6	31.6
New Jersey .....	58.7	21.1	56.1	15.6	53.2	16.8	45.5	20.5
New Mexico .....	76.1	11.4	87.7	10.8	61.4	9.7	63.6	12.3
New York .....	51.8	9.6	48.1	15.5	37.6	4.8	22.8	4.2
North Carolina .....	89.2	27.9	87.5	20.3	84.8	14.3	86.9	19.9
North Dakota .....	93.2	18.0	90.9	13.5	89.2	12.2	84.5	8.1
Ohio .....	39.5	3.0	41.0	2.5	36.7	2.3	24.8	0.5
Oklahoma .....	77.1	3.7	62.7	3.4	56.7	2.1	50.7	2.6
Oregon .....	99.0	21.7	100.0	20.8	100.0	21.4	89.9	23.7
Pennsylvania .....	61.4	6.7	59.2	5.9	55.4	7.3	52.9	6.5
Rhode Island .....	52.4	100.0	49.4	100.0	41.9	100.0	47.3	100.0
South Carolina .....	96.2	81.3	95.8	79.2	92.1	76.2	93.6	77.5
South Dakota .....	NA	44.3	82.0	45.3	80.2	33.1	75.6	23.9
Tennessee .....	91.5	21.1	88.4	18.2	85.5	15.5	86.3	18.7
Texas .....	88.0	29.7	84.7	30.3	83.7	31.1	85.4	32.5
Utah .....	86.2	94.0	83.2	94.1	80.7	94.8	78.3	94.8
Vermont .....	100.0	79.2	100.0	76.2	100.0	73.7	100.0	71.0
Virginia .....	65.5	9.2	60.1	NA	61.3	NA	54.8	10.1
Washington .....	97.3	45.7	93.5	31.5	93.8	NA	88.3	34.6
West Virginia .....	37.1	64.3	67.8	29.5	32.8	9.6	48.7	6.7
Wisconsin .....	83.6	21.9	75.8	18.9	73.0	15.0	60.2	10.3
Wyoming .....	96.0	2.7	64.8	3.2	85.5	3.4	89.6	2.9
<b>Total .....</b>	<b>67.1</b>	<b>16.8</b>	<b>63.8</b>	<b>16.3</b>	<b>59.1</b>	<b>15.6</b>	<b>52.6</b>	<b>15.7</b>

See footnotes at end of table.

**Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 2000-2002 — Continued**

State	2001							
	August		July		June		May	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama .....	71.8	13.8	71.7	13.3	70.7	13.3	73.3	10.0
Alaska .....	71.6	89.8	70.6	90.6	73.2	92.8	65.6	97.2
Arizona .....	91.6	45.8	92.8	65.5	93.9	56.8	92.7	53.9
Arkansas .....	NA	4.3	NA	6.2	NA	5.5	86.8	7.4
California .....	60.6	4.3	60.1	4.2	66.5	5.0	63.0	5.8
Colorado .....	100.0	3.7	100.0	3.9	100.0	1.0	100.0	0.8
Connecticut .....	71.6	63.5	77.8	37.6	83.8	46.8	77.5	61.3
Delaware .....	98.5	12.0	100.0	15.2	98.4	20.9	98.5	15.2
District of Columbia .....	27.1	—	19.0	—	21.3	—	23.9	—
Florida .....	45.5	2.3	46.3	1.4	49.5	4.6	53.4	4.2
Georgia .....	12.0	5.4	11.0	5.1	13.3	6.2	13.3	6.2
Hawaii .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho .....	78.7	1.8	78.4	1.5	82.0	1.6	85.7	1.9
Illinois .....	27.5	5.6	30.0	5.4	29.0	6.2	33.6	6.6
Indiana .....	NA	0.8	NA	NA	NA	3.3	NA	3.8
Iowa .....	81.7	4.4	71.3	NA	71.5	2.7	69.7	6.0
Kansas .....	50.3	18.8	52.0	15.6	52.9	7.9	55.4	6.4
Kentucky .....	75.0	14.6	71.5	14.6	63.9	13.3	73.6	15.0
Louisiana .....	96.3	8.9	96.2	8.9	96.4	6.7	96.5	7.7
Maine .....	100.0	41.5	100.0	50.8	100.0	46.2	100.0	38.2
Maryland .....	21.8	5.3	22.4	8.3	23.3	3.8	24.7	5.7
Massachusetts .....	45.5	9.9	49.0	13.5	45.7	19.6	48.7	22.7
Michigan .....	40.1	5.6	41.6	5.0	48.3	5.1	57.8	8.3
Minnesota .....	97.6	44.4	98.8	38.8	99.4	38.8	97.6	35.3
Mississippi .....	93.6	29.4	93.4	25.9	93.9	31.9	92.5	24.3
Missouri .....	65.4	7.3	67.9	8.9	69.8	9.5	71.6	10.4
Montana .....	69.8	0.1	68.6	0.9	69.0	1.9	68.7	2.3
Nebraska .....	61.3	11.4	60.6	7.3	56.1	14.9	51.4	17.6
Nevada .....	70.4	36.7	82.0	36.5	54.8	11.8	58.0	12.0
New Hampshire .....	45.6	21.3	84.0	10.0	88.6	13.4	82.5	21.4
New Jersey .....	46.0	15.5	47.5	18.6	47.3	19.5	50.9	21.2
New Mexico .....	64.4	11.7	62.4	3.8	60.1	5.3	60.6	5.5
New York .....	22.7	10.2	23.0	9.2	30.9	10.0	34.7	10.4
North Carolina .....	86.1	17.9	87.1	21.3	88.3	25.3	93.5	28.6
North Dakota .....	84.1	4.8	83.8	1.1	82.0	5.6	85.8	5.9
Ohio .....	27.2	2.1	26.9	0.7	28.0	1.5	27.2	1.7
Oklahoma .....	49.2	2.5	43.7	1.5	59.8	2.0	61.9	1.8
Oregon .....	99.3	27.1	99.2	23.8	99.2	21.0	99.2	20.8
Pennsylvania .....	54.5	6.0	57.4	6.4	58.3	4.0	58.5	6.2
Rhode Island .....	46.2	100.0	44.1	100.0	52.6	100.0	60.2	100.0
South Carolina .....	95.8	77.8	94.9	77.9	96.0	77.4	96.5	76.5
South Dakota .....	75.3	26.3	69.2	28.4	78.2	32.5	83.9	34.9
Tennessee .....	82.8	17.5	85.4	17.6	87.5	20.0	88.2	18.1
Texas .....	82.6	30.1	72.9	31.6	79.0	29.5	72.5	28.3
Utah .....	76.5	95.3	76.4	95.6	76.9	95.5	80.0	94.8
Vermont .....	100.0	68.1	100.0	66.3	100.0	68.4	100.0	69.2
Virginia .....	51.6	8.1	50.0	3.6	59.5	16.3	57.0	8.8
Washington .....	87.4	34.8	89.9	26.9	91.6	30.7	89.9	30.9
West Virginia .....	49.2	10.1	52.4	8.8	44.5	8.3	52.6	9.2
Wisconsin .....	56.6	11.7	68.8	11.6	67.8	10.5	66.2	11.8
Wyoming .....	79.2	2.9	84.4	2.6	97.2	3.3	93.6	2.8
<b>Total .....</b>	<b>53.6</b>	<b>15.0</b>	<b>53.2</b>	<b>15.5</b>	<b>58.3</b>	<b>14.6</b>	<b>59.6</b>	<b>15.0</b>

See footnotes at end of table.

**Table 25. Percentage of Total Deliveries Represented by Onsystem Sales, by State, 2000-2002 — Continued**

State	2001							
	April		March		February		January	
	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial	Commercial	Industrial
Alabama .....	80.6	12.0	77.3	11.8	84.3	14.5	85.8	15.1
Alaska .....	65.7	99.7	67.9	99.6	64.6	99.6	65.3	99.6
Arizona .....	89.3	51.4	95.7	50.8	91.5	52.5	91.6	44.7
Arkansas .....	NA	5.2	NA	10.1	NA	11.2	93.0	7.6
California .....	52.2	6.7	64.6	8.5	66.8	8.5	64.1	9.5
Colorado .....	100.0	0.2	99.8	0.1	100.0	0.1	99.9	0.1
Connecticut .....	73.1	52.8	77.8	53.5	74.4	51.2	76.5	68.4
Delaware .....	98.7	13.4	98.5	20.4	98.7	29.7	98.4	11.1
District of Columbia .....	24.1	—	28.8	—	28.2	—	32.5	—
Florida .....	57.7	3.5	56.3	2.8	59.2	3.7	60.7	4.7
Georgia .....	15.4	5.6	9.1	6.7	13.5	8.2	12.0	9.9
Hawaii .....	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Idaho .....	86.4	2.1	88.6	2.5	90.2	3.2	88.8	3.3
Illinois .....	40.4	8.2	42.6	10.8	43.7	13.6	46.6	13.4
Indiana .....	78.9	6.3	NA	6.5	NA	13.3	NA	14.2
Iowa .....	77.2	4.7	83.2	6.3	84.9	8.8	92.6	8.0
Kansas .....	67.1	2.4	64.8	2.6	63.8	2.4	68.1	2.5
Kentucky .....	75.6	11.6	82.7	16.4	84.0	18.9	88.0	23.7
Louisiana .....	96.7	8.2	96.9	7.7	95.7	8.4	96.1	8.5
Maine .....	100.0	91.0	100.0	93.6	100.0	98.4	100.0	94.1
Maryland .....	31.2	6.1	40.8	8.2	42.3	9.7	42.4	13.2
Massachusetts .....	61.8	25.2	63.9	42.5	63.4	34.6	67.4	34.6
Michigan .....	62.6	12.5	68.2	14.4	68.8	16.2	68.4	17.6
Minnesota .....	98.6	41.4	99.4	48.0	98.7	53.0	98.0	28.0
Mississippi .....	95.1	31.8	95.7	25.3	87.3	35.1	96.6	29.0
Missouri .....	82.6	13.5	83.5	18.0	85.6	15.7	89.4	23.7
Montana .....	75.1	2.6	61.8	2.8	88.2	3.1	76.3	3.0
Nebraska .....	53.7	18.7	60.7	27.5	61.8	26.8	78.2	23.1
Nevada .....	64.2	18.1	65.3	15.4	73.5	23.1	73.8	30.0
New Hampshire .....	92.1	60.2	90.4	30.9	91.9	35.8	90.3	30.7
New Jersey .....	60.4	21.9	62.0	27.5	65.6	26.3	65.4	29.2
New Mexico .....	48.5	47.9	66.4	31.2	68.0	27.4	67.9	22.4
New York .....	54.2	11.2	58.3	13.4	63.1	14.7	60.3	13.2
North Carolina .....	96.1	30.0	96.9	28.5	98.2	31.0	98.8	38.3
North Dakota .....	88.9	8.3	89.4	16.8	92.2	13.9	92.3	15.3
Ohio .....	40.5	2.8	43.9	4.7	42.9	4.4	50.3	6.1
Oklahoma .....	72.4	3.2	69.6	4.3	77.5	4.9	83.0	8.2
Oregon .....	99.4	20.5	100.0	18.9	100.0	17.3	100.0	27.5
Pennsylvania .....	62.3	8.2	66.0	9.1	67.5	13.6	67.7	14.4
Rhode Island .....	63.9	100.0	62.5	100.0	64.9	100.0	64.4	100.0
South Carolina .....	97.4	81.5	96.8	81.4	98.3	86.5	99.0	91.1
South Dakota .....	84.1	50.5	86.7	52.2	85.1	54.6	88.3	50.8
Tennessee .....	92.8	18.0	92.8	22.3	95.0	22.8	95.8	26.8
Texas .....	77.9	29.5	77.5	29.0	79.9	30.8	82.5	31.0
Utah .....	84.6	92.2	85.7	94.0	87.6	94.2	88.4	94.9
Vermont .....	100.0	79.4	100.0	79.7	100.0	80.4	100.0	96.0
Virginia .....	68.1	12.4	77.9	14.3	79.8	16.7	75.3	19.3
Washington .....	96.0	33.5	94.8	38.9	94.9	37.0	95.1	39.7
West Virginia .....	72.7	9.7	72.3	6.9	80.1	6.9	76.9	6.5
Wisconsin .....	75.5	17.3	73.8	25.1	81.1	25.4	81.7	24.1
Wyoming .....	92.1	4.8	89.4	5.3	91.6	5.7	79.3	5.2
<b>Total .....</b>	<b>65.5</b>	<b>16.2</b>	<b>68.3</b>	<b>16.9</b>	<b>70.6</b>	<b>17.4</b>	<b>71.9</b>	<b>18.0</b>

<sup>R</sup> Revised Data.

NA Not Available.

— Not Applicable.

**Notes:** Volumes of natural gas reported for the commercial and industrial sectors in this publication include data for both sales and deliveries for the account of others. This table shows the percent of the total State volume that represents natural gas sales to the commercial and

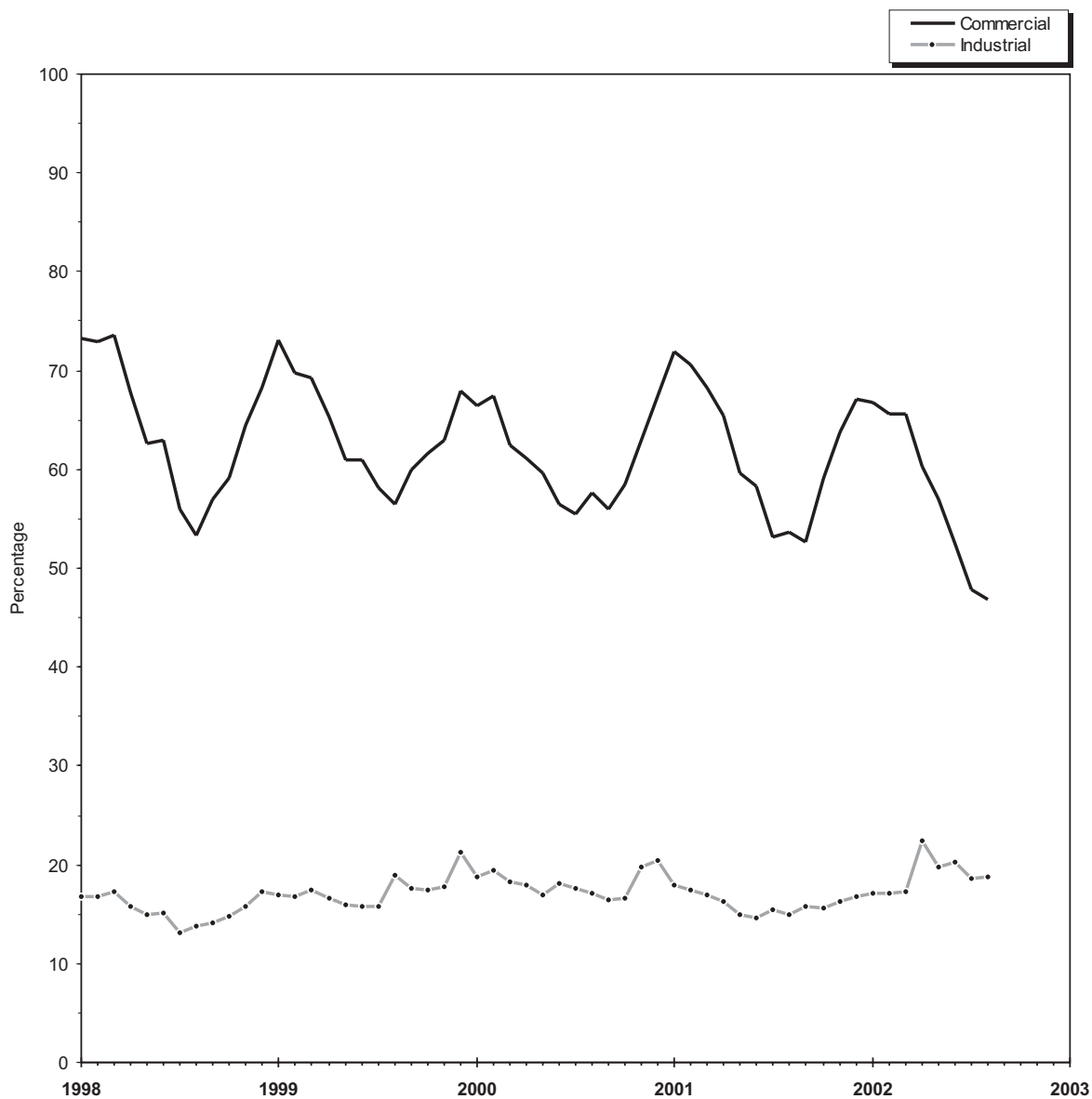
industrial sectors. This information may be helpful in evaluating commercial and industrial price data which are based on sales data only. See Appendix C, Statistical Considerations, for a discussion of the computation of natural gas prices.

**Source:** Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."



Figure 6

Figure 6. Percentage of Total Deliveries Represented by Onsystem Sales, 1998-2002



Source: Table 25.

# Appendix A

## Explanatory Notes

The Energy Information Administration (EIA) publishes monthly data for the supply and disposition of natural gas in the United States in the *Natural Gas Monthly* (NGM). The information in this Appendix is provided to assist users in evaluating the monthly data. There is a brief description of what data are estimated and what data are taken from submitted reports, followed by ten technical notes that provide important information for individual data series.

The monthly data are preliminary when initially published. Data shown in this report for the most current months are taken from the EIA Short-Term Integrated Forecasting System (STIFS) model computations. Each month, EIA staff review the STIFS model estimates and adjust them, if necessary, based on their knowledge of

new developments in the natural gas industry. Data for prior months are estimated or taken from submitted reports.

For data that are not taken from STIFS computations, Table A1 lists the methodologies for deriving the monthly data to be published.

The STIFS model contains a series of calculations that produce forecasts for all of the energy industry. It is driven primarily by three sets of inputs or assumptions: estimates of key macroeconomic variables, world oil price assumptions, and assumptions about the severity of weather. The natural gas estimates also reflect other key inputs or assumptions including gas wellhead prices, electric power generation by other

**Table A1. Methodology for Reporting Initial Monthly Natural Gas Supply and Disposition Data**

Components	Reporting Methodology
<b>Supply and Disposition</b>	
Marketed Production	Reported on Form EIA-895 and estimated from historical data
Extraction Loss	Derived from Marketed Production
Dry Production	Marketed Production minus Extraction Loss
Withdrawals from Storage	Reported on Form EIA-191
Supplemental Gaseous Fuels	Derived from supply estimates and coal gasification information
Imports	Estimated from National Energy Board of Canada information and liquefied natural gas information
Additions to Storage	Reported on Form EIA-191
Exports	Estimated from industry trends and liquefied natural gas information
Current-Month Consumption	Estimated from historical month-to-month percent changes
<b>Consumption by Sector</b>	
Lease and Plant Fuel	Derived from Marketed Production
Pipeline Fuel	Derived from estimates for Lease and Plant Fuel and Deliveries to Consumers
Residential	Estimated from reports to the sample survey Form EIA-857
Commercial	Estimated from reports to the sample survey Form EIA-857
Industrial	Estimated from reports to the sample survey Form EIA-857
Electric Utilities	Reported on Form EIA-759

energy sources, and U.S. gas import capacity. The macroeconomic variable estimates are produced by DRI/McGraw-Hill but are adjusted by EIA to reflect EIA assumptions about the world price of oil, energy product prices, and other assumptions which may affect the macroeconomic outlook. The EIA publishes forecasts for the energy industry each quarter in the Short-Term Energy Outlook.

For production, total supply and disposition, and storage data (Tables 1, 2, and 9), the most current two months shown are estimates produced from STIFS computations, and data that are two months or more prior to the date of publication are estimated or taken from submitted reports. For example, in the March issue of the *NGM*, February and March data are taken from the STIFS model computations while January and prior months data are estimated from available data sources or reported directly on EIA forms. For consumption data by sector (Table 3), the most current three months shown are estimates produced from STIFS computations while data that are three months prior to date of publication are taken from EIA forms.

## Note 1. Nonhydrocarbon Gases Removed

### *Annual Data*

Data on nonhydrocarbon gases removed from marketed production-carbon dioxide, helium, hydrogen sulfide, and nitrogen -are reported by State agencies on the voluntary Form EIA-895. Eleven of the 32 producing States reported data on nonhydrocarbon gases removed during 2000. These 11 States accounted for 46 percent of total 2000 gross withdrawals. The State of Missouri reported zero gross withdrawals.

### *Preliminary Monthly Data*

All monthly data are considered preliminary until after publication of the *Natural Gas Annual* for the year in which the report month falls. States reporting monthly data on nonhydrocarbon gases removed are estimated based on annual data reported on Form EIA-895. States' nonhydrocarbon gases as an annual percentage of gross withdrawals reported is applied to each State's monthly gross withdrawal data to produce an estimate of nonhydrocarbon gases removed.

### *Final Monthly Data*

Beginning with report year 1990, States filing the Form EIA-627, "Annual Quantity and Value of Natural Gas Report," were asked to supply monthly breakdowns of all data previously reported on an annual basis. The

sums of the reported figures were used to calculate monthly volumes. In 1997 the Form EIA-627 was discontinued. States were requested to file an annual schedule on the monthly Form EIA-895, "Monthly Quantity and Value of Natural Gas Report."

For States not supplying monthly data on the annual schedule of the EIA-895, final monthly data are calculated by proportionally allocating the differences between total annual data reported on the Form EIA-895 and the sum of monthly data (January-December).

## Note 2. Supplemental Gaseous Fuels

### *Annual Data*

Annual data are published from Form EIA-176.

### *Preliminary Monthly Data*

All monthly data are considered preliminary until after the publication of the *Natural Gas Annual* for the year in which the report month falls. Monthly estimates are based on the annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from storage. This ratio is applied to the monthly sum of these three elements to compute a monthly supplemental gaseous fuels figure.

### *Final Monthly Data*

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly data are estimated based on the revised annual ratio of supplemental gaseous fuels to the sum of dry gas production, net imports, and net withdrawals from storage. This ratio is applied to the revised monthly sum of these three elements to compute final monthly data.

## Note 3. Production

### *Annual Data*

Natural gas production data are collected from 33 gas-producing States on Form EIA-895 which includes gross withdrawals, vented and flared, repressuring, nonhydrocarbon gases removed, fuel used on leases, marketed production (wet), and extraction loss. The U.S. Minerals Management Service (MMS) also supplies data on the quantity and value of natural gas production on the Gulf of Mexico and Outer Continental Shelf. No adjustments are made to the data.

### ***Estimated Monthly Data***

State marketed production data for a particular month are estimated if data are unavailable at the time of publication. The data are estimated based on final monthly data reported on the Form EIA-895 for the previous year.

Estimates for total U.S. marketed production are based on final monthly data reported on the Form EIA-895 for the previous year. State estimates for nonhydrocarbon gas removed, gas used for repressuring, and gas vented and flared are based on the ratio of the item to gross withdrawals as reported on the EIA-895. These ratios are applied to the month's estimates for gross withdrawals to calculate figures for nonhydrocarbon gases removed, gas used for repressuring, and gas vented and flared. Estimates for gross withdrawal data are calculated from final monthly data filed on Form EIA-895 for the previous year.

### ***Preliminary Monthly Data***

All monthly data are considered preliminary until after publication of the *Natural Gas Annual* for the year in which the report month falls. Preliminary monthly data are published from reports from the Form EIA-895 and the MMS. Volumetric data are converted, as necessary, to a standard 14.73 psia pressure base. Data are revised as Table 7 monthly data are updated.

### ***Final Monthly Data***

Final monthly data are the sums of monthly data reported on the Form EIA-895, "Monthly Quantity and Value of Natural Gas Report," annual schedule.

## **Note 4. Imports and Exports**

### ***Annual Data and Final Monthly Data***

Annual and final monthly data are published from the Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports, which requires data to be reported each quarter by month for the calendar year.

### ***Preliminary Monthly Data - Imports***

Preliminary monthly import data are based on data from the National Energy Board of Canada and responses to informal industry contacts and EIA estimates. Preliminary data are revised after the publication of the article "U.S. Imports and Exports of Natural Gas" for the calendar year.

### ***Preliminary Monthly Data - Exports***

Preliminary monthly export data are based on historical data from the Office of Fossil Energy, U.S. Department of Energy, Natural Gas Imports and Exports, informal industry contacts, and information gathered from natural gas industry trade publications. Preliminary monthly data are revised after publication of "U.S. Imports and Exports of Natural Gas" for the calendar year in which the report month falls.

## **Note 5. Consumption**

### ***All Annual Data***

All consumption data except electric utility data are from the Form EIA-857 and Form EIA-176. No adjustments are made to the data. Electric utility data are reported on Form EIA-759.

### ***Monthly Data***

All monthly data are considered preliminary until after publication of the *Natural Gas Annual*.

### ***Total Consumption***

### ***Preliminary Monthly Data***

The most current month estimate is calculated based on the arithmetic average change from the previous month for the previous 3 years. The following month this estimate is revised by summing the components (pipeline fuel, lease and plant fuel, and deliveries to consumers).

### ***Final Monthly Data***

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly total consumption is obtained by summing its components.

### ***Residential, Commercial, and Industrial Sector Consumption***

### ***Preliminary Monthly Data***

Preliminary monthly residential, commercial, and industrial data are from Form EIA-857. See Appendix C, "Statistical Considerations," for a detailed explanation of sample selection and estimation procedures.

## Average Price of Deliveries to Consumers

Price data are representative of prices for gas sold and delivered to residential, commercial, and industrial consumers. These prices do not reflect average prices of natural gas transported to consumers for the account of third parties or “spot-market” prices.

### Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are estimated by allocating annual consumption data from the Form EIA-176 to each month in proportion to monthly volumes reported in Form EIA-857.

### Agricultural Use

Beginning with the reporting of 1996 annual data, the EIA changed the customer category used for reporting deliveries to consumers in the agricultural industry from commercial to industrial. In 1995 and earlier years, consumption of natural gas for agricultural use was classified as commercial use. Separate reports of the volumes affected are not available so the direct impact of this change is not known. Most natural gas consumed in agriculture is used to drive irrigation systems and to dry crops.

In comparing sectoral use over time, note that:

- There is an inherent shift in natural gas volumes from the commercial to industrial sectors due simply to changes in the reporting requirements. This break in series may indicate a spurious increase in industrial consumption with a corresponding decrease in the commercial sector.
- The sum of natural gas volumes consumed by the commercial and industrial sectors will not be changed by this modification of the instructions.

## Electric Utility Sector Consumption

### All Monthly Data

Monthly data published are from Form EIA-759.

### Pipeline Fuel Consumption

#### Preliminary Monthly Data

Preliminary data are estimated based on the pipeline fuel consumption as an annual percentage of total consumption from the previous year's Form EIA-176. This percentage is applied to each month's

total consumption figure to compute the monthly estimate.

#### Final Monthly Data

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are based on the revised annual ratio of pipeline fuel consumption to total consumption from the Form EIA-176. This ratio is applied to each month's revised total consumption figure to compute final monthly pipeline fuel consumption estimates.

## Lease and Plant Fuel Consumption

### Preliminary Monthly Data

Preliminary monthly data are estimated based on lease and plant fuel consumption as an annual percentage of marketed production. This percentage is applied to each month's marketed production figure to compute estimated lease and plant fuel consumption.

#### Final Monthly Data

Monthly data are revised after publication of the *Natural Gas Annual*. Final monthly plant fuel data are based on a revised annual ratio of lease and plant fuel consumption to marketed production from Form EIA-176. This ratio is applied to each month's revised marketed production figure to compute final monthly plant fuel consumption estimates. Final monthly lease data are collected on the Form EIA-627 and estimates from the Form EIA-176. See the *Natural Gas Annual* for a complete discussion of this process.

## Note 6. Extraction Loss

### Annual Data

Extraction loss data are calculated from filings of Form EIA-64A, “Annual Report of the Origin of Natural Gas Liquids Production.” For a fuller discussion, see the *Natural Gas Annual*.

### Preliminary Monthly Data

Preliminary data are estimated based on extraction loss as an annual percentage of marketed production. This percentage is applied to each month's marketed production to estimate monthly extraction loss.



## ***Final Monthly Data***

Monthly data are revised after the publication of the *Natural Gas Annual*. Final monthly data are estimated by allocating annual extraction loss data to each month based on its total natural gas marketed production.

## **Note 7. Natural Gas Storage**

### ***Underground Natural Gas Storage***

All monthly data concerning underground storage are published from the EIA-191. A new EIA-191 became effective in January 1994. Injection and withdrawal data from the EIA-191 survey are adjusted to correspond to data from Form EIA-176 following publication of the *Natural Gas Annual*.

### ***Underground and Liquefied Natural Gas Storage***

The final monthly and annual storage and withdrawal data shown in Table 2 include both underground and liquefied natural gas (LNG) storage. Annual data on LNG additions and withdrawals are taken from Form EIA-176. Monthly data are estimated by computing the ratio of each month's underground storage additions and withdrawals to annual underground storage additions and withdrawals and applying it to annual LNG data.

### ***Types of Underground Storage Facilities***

There are three principal types of underground storage facilities in operation in the United States today: salt caverns (caverns hollowed out in salt "bed" or "dome" formations), depleted reservoir fields (depleted reservoirs in oil and/or gas fields), and aquifer reservoirs (water-only reservoirs conditioned to hold natural gas). A storage facility's daily deliverability or withdrawal capability is the amount of gas that can be withdrawn from it in a 24-hour period. Salt cavern storage facilities generally have high deliverability because all of the working gas in a given facility can be withdrawn in a relatively short period of time. (A typical salt cavern cycle is 10 days to deplete working gas, and 20 days to refill working gas.) By contrast, depleted field and aquifer reservoirs are designed and operated to withdraw all working gas over the course of an entire heating season (about 150 days). Further, while both traditional and salt cavern facilities can be switched from withdrawal to injection operations during the heating season, this is usually more quickly and easily done in salt cavern facilities, reflecting their greater operational flexibility.

## **Note 8. Average Wellhead Value**

### ***Annual Data***

Form EIA-895 requests State agencies to report the quantity and value of marketed production. When complete data are unavailable, the form instructs the State agency to report the available value and the quantity of marketed production associated with this value. A number of States reported volumes of production and associated values for other than marketed production. In addition, information for several States which were unable to provide data was obtained from Form EIA-176. It should be noted that Form EIA-176 reports a fraction of State production. The imputed value of marketed production in each State is calculated by dividing the State's reported value by its associated production. This unit price is then applied to the quantity of the State's marketed production to derive the imputed value of marketed production.

### ***Preliminary Monthly Data***

Preliminary values for the monthly U.S. natural gas wellhead price are estimated from the New York Mercantile Exchange (NYMEX) futures closing price for near-month delivery at the Henry Hub, and prevailing cash market prices (spot prices) at 5 major trading hubs: Henry Hub, LA; Carthage, TX; Katy, TX; Waha, TX; and Blanco, NM. The NYMEX price is reported in the trade publication, *Gas Daily* (published by Financial Times Energy). The spot prices are published in another trade publication, *Natural Gas Week* (Energy Intelligence Group), and they reflect the spot delivered-to-pipeline, volume-weighted average prices for natural gas bought and sold at the specified trading hubs. Prices include processing, gathering, and transportation fees to the hubs. The estimated wellhead prices are derived with a statistical procedure based on analysis of monthly time series data for the period 1995 through the present. A statistical procedure was adopted beginning with publication of the February 1999 issue of the *Natural Gas Monthly*. The preliminary estimates are replaced when annual survey data become available, usually about 10 months after the end of the report year.

### ***Final Monthly Data***

The Form EIA-895 requests State agencies to report monthly values of marketed production. Preliminary monthly gas price data are replaced by these final monthly data.

## Note 9. Balancing Item

The “balancing item” category represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to quantities lost or to the effects of data reporting problems.

Reporting problems include differences due to the net result of conversions of flow data metered at varying temperatures and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycles and calendar periods; and imbalances resulting from the merger of data reporting systems, which vary in scope, format, definitions, and type of respondents.

### **Annual Data**

Annual data are from the *Natural Gas Annual*. For an explanation of the methodology involved in calculating annual “balancing item” data, see the *Natural Gas Annual*.

## **Preliminary Monthly Data**

Preliminary monthly data in the “balancing item” category are calculated by subtracting dry gas production, withdrawals from storage, supplemental gaseous fuels, and imports from total supply/disposition.

## Note 10. Heating Degree-Days

Degree-days are relative measurements of outdoor air temperature. Heating degree-days are deviations of the mean daily temperature below 65 degrees Fahrenheit. A weather station recording a mean daily temperature of 40 degrees Fahrenheit would report 25 heating degree-days. There are several degree-day data bases maintained by the National Oceanic and Atmospheric Administration. The information published in the *Natural Gas Monthly* is developed by the National Weather Service Climate Analysis Center, Camp Springs, Maryland.

The data are available weekly with monthly summaries and are based on mean daily temperatures recorded at about 200 major weather stations around the Country. The temperature information recorded at these weather stations is used to calculate State-wide degree-day averages weighted by gas home customers. The State figures are then aggregated into Census Divisions and into the national average.

# Appendix B

## Data Sources

The data in this publication are taken from survey reports authorized by the U.S. Department of Energy (DOE), Energy Information Administration (EIA) and by the Federal Energy Regulatory Commission (FERC). The EIA is the independent statistical and analytical agency within the DOE. The FERC is an independent regulatory commission within the DOE which has jurisdiction primarily in the regulation of electric utilities and the interstate natural gas industry. The EIA conducts and processes some of the surveys authorized by the FERC. Data are collected from two annual surveys and five monthly surveys.

The annual report is the Form EIA-176, a mandatory survey of all companies that deliver natural gas to consumers or that transport gas across State lines.

The monthly reports include two surveys of the natural gas industry, two surveys of the electric utility industry, and a voluntary survey completed by energy or conservation agencies in the gas producing States. The natural gas industry survey is the Form EIA-191 filed by companies that operate underground storage facilities, and the Form EIA-857 is filed by a sample of companies that deliver natural gas to consumers. The electric utility industry surveys are the Form EIA-759 filed by all generating electric utilities and the Form FERC-423 filed by fossil-fueled plants. Responses to these four monthly surveys are mandatory.

A description of the survey respondents, reporting requirements, and processing and editing of the data is given on the following pages for each of the surveys.

### Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"

#### *Survey Design*

The original version of Form EIA-176 was approved in 1980 with a mandatory response requirement. Prior to 1980, published data were based on voluntary responses to Bureau of Mines, U.S. Department of the Interior predecessor Forms BOM-6-1340-A and BOM-6-1341-A of the same title.

In 1982, the scope of the revised EIA-176 survey was expanded to collect the number of electric utility consumers in each State, volumes of gas transported to industrial and electric utility consumers, detailed information on volumes transported across State borders by the respondent for others and for the responding company, and detailed information on other disposition. These changes were incorporated to provide more complete survey information with a minimal change in respondent burden. The 1982 version of the Form EIA-176 continues to be the basis for the current version of this form.

In 1988, the Form EIA-176 was revised to include data collection for deliveries of natural gas to commercial and industrial consumers for the account of others.

In 1990, the Form EIA-176 was revised to include more detailed information for gas withdrawn from storage facilities, gas added to storage facilities, deliveries of company-owned natural gas and natural gas transported for the account of others. The revised form was approved for use beginning with report year 1990.

Upon the Office of Management and Budget's approval in 1993, the Form EIA-176 was again revised. All deliveries to consumers were categorized as firm or interruptible. Commercial and industrial consumers were categorized as nonutility power producers or as those excluding nonutility power producers.

Approval of the Form EIA-176 for use through 1999 was received in 1996 from OMB. The form was modified as outlined in the "Change in Definition of Consumption Sector" below.

After being approved by the OMB in 1999, the Form EIA-176 was revised to: (1) change the filing date from April 1 following the end of the report year to March 1 following the end of the report year, (2) remove the requirement to distinguish between firm and interruptible deliveries to consumers; and (3) remove the requirement to distinguish between gas volumes delivered to commercial and industrial consumers having nonutility generation of electricity from those not generating electricity.



Data reported on this form are no longer considered proprietary. Response to the form continues to be mandatory.

### ***Survey Universe and Response Statistics***

The Form EIA-176 is mailed to all identified interstate and intrastate natural gas pipeline companies, investor and municipally owned natural gas distributors, underground natural gas storage operators, synthetic natural gas plant operators, and field, well, or processing plant operators that deliver natural gas directly to consumers (including their own industrial facilities) and/or that transport gas to, across, or from a State border through field or gathering facilities.

Each company and its parent company or subsidiaries were required to file if they met the survey specifications. The original mailing in 2000 for report year 1999 totaled 1,872 questionnaire packages. To this original mailing, 8 names were added and 18 were deleted as a result of the survey processing. Additions were the result of comparisons of the mailing list to other survey mailing lists. Deletions resulted from post office returns and determinations that companies were out of business, sold, or not within the scope of the survey. After all updates, the survey universe was 1,847 responses from approximately 1,400 companies.

Following the original mailing, second request mailing, and nonrespondents follow-up, 1,826 responses were entered into the data base, and there were 21 nonrespondents.

### ***Summary of Form EIA-176 Data Reporting Requirements***

The EIA-176 is a multi-line schedule for reporting all supplies of natural gas and supplemental gaseous fuels and their disposition within the State indicated. Respondents file completed forms with EIA in Washington, DC. Data for the report year were due by March 1st. Extensions of the filing deadline for up to 30 days are granted to any respondent upon request.

All natural gas and supplemental gaseous fuels volumes are reported on a physical custody basis in thousand cubic feet (Mcf), and dollar values are reported to the nearest whole dollar. All volumes are reported at 14.73 pounds per square inch absolute pressure (psia) and 60 degrees Fahrenheit.

### ***Routine Form EIA-176 Edit Checks***

A series of manual and computerized edit checks are used to screen the Form EIA-176. The edits performed include validity, arithmetic, and analytical checks.

The incoming forms are reviewed prior to keying. This prescan determines if the respondent identification (ID) number and the company name and address are correct, if the data on the form appear complete and reasonable, and if the certifying information is complete.

Manual checks on the data are also made. Each form is prescanned to determine that data were reported on the correct lines. The flow of gas through interstate pipelines is checked at the company level to ensure that each delivery from a State is matched with a corresponding receipt in an adjoining State.

After the data are keyed, computer edit procedures are performed. Edit programs verify the report year, State code, and arithmetic totals. Further tests are made to ensure that all necessary data elements are present and that the data are reasonable and internally consistent. The computerized edit system produces error listings with messages for each failed edit test. When problems occur, respondents are contacted by telephone and required to file amended forms with corrected data.

### ***Other EIA Publications Referencing Form EIA-176***

Data from Form EIA-176 are also published in the *Natural Gas Annual*.

### ***Form EIA-895, "Monthly Quantity and Value of Natural Gas Report"***

### ***Survey Design***

Beginning with 1980 data, natural gas production data previously obtained on an informal basis from the appropriate State agencies were collected on the Form EIA-627, "Annual Quantity and Value of Natural Gas Report." This form was designed by the EIA to collect annual natural gas production data from the appropriate State agencies under a standard data reporting system within the limits imposed by the diversity of data collection systems of the various producing States. It was also designed to avoid duplication of the efforts involved in the collection of production and value data by producing States and to avoid an unnecessary respondent burden on gas and oil well operators. In 1993, value and associated volume of marketed production by month were added to the EIA-627. In 1996, the Form EIA-627 was discontinued. The information is collected on an annual schedule on the Form EIA-895.

In 1993, the Office of Management and Budget approved the Form EIA-627 for use in report years 1994 through 1996. In 1994, the Interstate Oil and Gas Compact Commission (IOGCC) decided to discontinue collection of their form. Data collection on the Form

EIA-895, “Monthly Quantity and Value of Natural Gas Report,” began in January 1995. This form was designed to replace the IOGCC form, “Monthly Report of Natural Gas Production.” All gas producing States are requested to report on the Form EIA-895; a voluntary report. In 1996, an annual schedule was added to the voluntary Form EIA-895 to replace the Form EIA-627. Data are reported by State agencies. The form was designed to provide a standard reporting system, to the extent possible, for the natural gas data reported by the States. Data are not considered proprietary.

### ***Survey Universe and Response Statistics***

Form EIA-895 is mailed to energy or conservation agencies in all 33 natural gas producing States. All producing States participate voluntarily in the EIA-895 survey by filing the completed form or by responding to telephone contacts. EIA-895 survey by filing the completed form or by responding to telephone contacts.

Reports on State production are due 20 days after the end of the report month. (In most cases, the data are not available to the States until after this time period. Therefore, States are requested to send the report within 80 days after the end of the report month.) The annual schedule of the Form EIA-895 is due with the December data report.

Of the 32 natural gas producing states, all participated in the voluntary EIA-895 survey by filing the completed form or by responding to telephone contacts. Data on the quantities of nonhydrocarbon gases removed in 2000 were reported by the appropriate agencies of 11 of the 32 producing States. These 11 States accounted for 46 percent of total 2000 gross withdrawals. The State of Missouri reported zero gross withdrawals.

The commercial recovery of methane from coalbeds contribute a significant amount to the production totals in a number of States. Coalbed methane seams production quantities (in million cubic feet) are included in gross withdrawals totals for the following States: Alabama (112,393), Colorado (413,290), New Mexico (583,581), and Wyoming (151,449).

### ***Summary of Data Reporting Requirements***

The Form EIA-895 is a two-page form divided into five parts. Part I requests identifying information including the name and location of the responding State agency and the name and telephone number of a contact person within the agency. Part II collects monthly data on the production of natural gas including gross withdrawals from both gas and oil wells; volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used

on lease; and marketed production. Part III of the form is for reporting the monthly volume and value of marketed production. Part IV of the form is the annual schedule which collects data on the number of producing gas wells, the production of natural gas including gross withdrawals from both gas and oil wells; volumes returned to formation for repressuring, pressure maintenance, and cycling; quantities vented and flared; quantities of nonhydrocarbon gases removed; quantities of fuel used on lease; marketed production; the value of marketed production; and quantity of marketed production (value based). Part V is space to be used by the respondent to explain data elements reported that may be based on definitions differing from those applied to data in previous years.

Respondents are asked to report all volumes in thousand cubic feet at the State’s standard pressure base and at 60 degrees Fahrenheit. All dollar values are reported in thousands.

### ***Routine Form EIA-895 Edit Checks***

Each filing of Form EIA-895 is manually checked for reasonableness and mathematical accuracy. Information on the forms is compared to totals of monthly data reported. Volumes are converted, as necessary, to a standard 14.73 psia pressure base. Reasonableness of data is assessed by comparing reported data to the previous year’s data. State agencies are contacted by telephone to correct errors. Amended filings or resubmissions are not a requirement, since participation in the survey is voluntary.

### ***Other EIA Publications Referencing Form EIA-895***

Data from Form EIA-895 are also published in the EIA publication, *Natural Gas Annual*.

### ***EIA-191 Survey, “Underground Natural Gas Storage Report”***

#### ***Survey Design***

The Form EIA-191, “Monthly Underground Natural Gas Storage Report,” was revised effective January 1994. Among the changes from the form used from 1991 through 1993 is a distinction between a monthly and annual survey. Prior to 1991, data on the storage of natural gas were collected on a survey jointly implemented in 1975 by the Federal Power Commission (FPC), the Federal Energy Administration (FEA), and the Bureau of Mines (BOM) as the FPC-8/ FEA-G-318 system. The data received on both the FPC-8 and FEA-G-318 were computerized and aggregated by

FPC. The form was previously revised in 1991 to include storage data by State, field, and reservoir.

At the beginning of 1979, the EIA assumed responsibility for the collection, processing, and publication of the data gathered in the survey. Form FEA-G-318 was renewed on July 1, 1979, as Form EIA-191 and the survey was retitled the FPC-8/EIA-191 Survey (Figure D4 shows the EIA-191). Form FPC-8 was renewed in December 1985 and the survey retitled FERC-8/EIA-191 Survey. The forms were not merged because of FERC's stated desire to maintain the separate identity of the FERC-8 for administrative reasons. In September 1995, the FERC discontinued the reporting requirements of Form FERC-8. FERC jurisdictional firms continue to file Form EIA-191.

### ***Survey Universe and Response Statistics***

The 140 companies that operate underground facilities file the Form EIA-191. The response rate as of the filing deadline is approximately 20 percent. Data from the remaining 80 percent of respondents are received in writing and/or by telephone within 3 to 4 days after the filing deadline. All data supplied by telephone are subsequently filed in writing, generally within 15 days of the filing deadline. The final response rate is 100 percent.

### ***Summary of EIA-191 Data Reporting Requirements***

The EIA-191 monthly schedule contains current month and prior month's data on the total quantities of gas in storage, injections and withdrawals, the location (including State and county, field, reservoir) and peak day withdrawals during the reporting period. Prior month's data are required only when data are revised. The annual schedule contains type of facility, storage field capacity, maximum deliverability and pipelines to which each field is connected. The annual schedule is filed with the December submission.

Collection of the survey is on a custody basis. Information requested must be provided within 20 days after the first day of each month. Twelve reports are required per calendar year. Respondents are required to indicate whether the data reported are actual or estimated. For most of the estimated filings, the actual data or necessary revisions are reflected in the prior month section of the monthly form. Actual data on natural gas injections and withdrawals from underground storage are based on metered quantities. Data on quantities of gas in storage and on storage capacity represent, in part, reservoir engineering evaluations. All volumes are reported at 14.73 psia and 60 degrees Fahrenheit.

### ***Routine Form EIA-191 Edit Checks***

Data received on Form EIA-191 are entered into the survey processing system. The survey's five principal data elements (total, base, working gas in storage, injections, and withdrawals) receive a preliminary visual edit to eliminate and correct obvious errors or omissions. Respondents are required to re-file reports containing any inconsistencies or errors.

### ***Other EIA Publications Referencing Form EIA-191***

The EIA publication *Monthly Energy Review* and *Winter Fuels Report* contain data from the EIA-191 survey.

### ***"Quarterly Natural Gas Import and Export Sales and Price Report"***

### ***Survey Design***

The collection of data covering natural gas imports and exports was begun in 1973 by the Federal Power Commission (FPC). On October 1977, FPC ceased to exist and its data collection functions were transferred to the Federal Energy Regulatory Commission (FERC) within the Department of Energy (DOE). From 1979 to 1994, the Energy Information Administration (EIA) has had the responsibility for collecting Form FPC-14, "Annual Report for Importers and Exporters of Natural Gas." Data are not considered proprietary. The Form FPC-14 was discontinued in 1995.

Beginning in 1995, import and export data are taken from the "Quarterly Natural Gas Import and Export Sales and Price Report." This report is prepared by the Office of Fossil Energy, U.S. Department of Energy, based on information submitted by all firms having authorization to import or export natural gas.

### ***Survey Universe and Response Statistics***

All companies are required, as a condition of their authorizations to import or export natural gas, to file quarterly reports with the Office of Fossil Energy. These data are collected as part of its regulatory responsibilities. The data are reported at a monthly level of detail.

### ***Routine Edit Checks***

Respondents are required to certify the accuracy of all data reported. The data are checked for reasonableness and accuracy. If errors are found, the companies are required to file corrected data. The data are compared with data reported by the National Energy Board of Canada and are published quarterly. All natural gas

volumes in this report are expressed at a pressure base of 14.73 pounds per square inch absolute and temperature of 60 degrees Fahrenheit, except as noted. All import and export prices are in U.S. dollars and, except for LNG exports, are those paid at the U.S. border. LNG export prices are those paid at the point of sale and delivery in Yokohama, Japan.

## **Form EIA-857, “Monthly Report of Natural Gas Purchases and Deliveries to Consumers”**

### ***Survey Design***

The original Form EIA-857 was approved for use in December 1984. Response to the Form EIA-857 is mandatory on a monthly basis. Data collected on the Form EIA-857 cover the 50 States and the District of Columbia and include both price and volume data. Data are considered proprietary.

### ***Survey Universe and Response Statistics***

A sample of approximately 400 natural gas companies, including interstate pipelines, intrastate pipelines, and local distribution companies, report to the survey. The sample was selected independently for each of the 50 States and the District of Columbia from a frame consisting of all respondents to Form EIA-176 who reported deliveries of natural gas to consumers in the residential, commercial, or industrial sectors. Each selected company is required to complete and file the Form EIA-857 on a monthly basis. Initial response statistics on a monthly basis are as follows: responses received by due date, approximately 50 percent, and responses received after follow-up, 95 percent. When a response is extremely late, and the company represents less than 25 percent of the natural gas volumes delivered by all sampled companies in the State, values are imputed as described in Appendix

C. When the company’s submission is eventually received, the submitted data are used for future processing and revisions.

The Form EIA-857 is a monthly sample survey of firms delivering natural gas to consumers. It provides data that are used to estimate monthly sales of natural gas (volume and price) by State and monthly deliveries of natural gas on behalf of others (volume) by State to three consumer sectors - residential, commercial, and industrial. (Monthly deliveries and prices of natural gas to electric utilities are reported on the Form FERC-423, “Monthly Report of Cost and Quality of Fuels for Electric Plants,” and the Form EIA-759, “Monthly Power Plant Report.”) See Appendix C for a discussion of the sample design and estimation procedures.

### **Summary of Form EIA-857 Data Reporting Requirements**

Data collected monthly on the Form EIA-857 on a State level include the volume and cost of purchased gas, the volume and cost of natural gas consumed by sector (residential, commercial, and industrial), and the average heat content of all gas consumed. Respondents file completed forms with EIA in Washington, DC on or before the 30th day after the end of the report month.

All natural gas volumes are reported in thousand cubic feet at 14.73 psia at 60 degrees Fahrenheit and dollar values are reported as whole dollar.

### ***Routine Form EIA-857 Edit Checks***

A series of manual and computerized edit checks are used to screen the Form EIA-857. The edits performed include validity and analytical checks.



# Appendix C

## Statistical Considerations

The monthly sales (volume and price) and monthly deliveries (volume) of natural gas to residential, commercial and industrial consumers presented in this report by State are estimated from data reported on the Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers." (See Appendix B for a description of this Form.) These estimations must be made from the reported data since the Form EIA-857 is a sample survey. A description of the sample design and the estimation procedures is given below.

### Sample Design

The Form EIA-857 is a monthly sample survey of companies delivering natural gas to consumers. It includes inter- and intrastate pipeline companies, and producers, as well as local distribution companies. The survey provides data that are used each month to estimate the volume of natural gas delivered and the price for onsystem sales of natural gas by State to three consumer sectors—residential, commercial, and industrial. Monthly deliveries and prices of natural gas to electric utilities are reported on the Form EIA-906, "Power Plant Report," Form EIA-759, "Monthly Power Plant Report," and the Form FERC-423, "Monthly Report of Costs and Quality of Fuels for Electric Plants."

**Sample Universe.** The sample currently in use was selected from a universe of 1,449 companies. These companies were respondents to the Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition," for reporting year 2000 who reported sales or deliveries to consumers in the residential, commercial or industrial sectors. (See Appendix B for a description of the Form EIA-176.)

**Sampling Plan.** The goal was a sample that would provide estimates of monthly natural gas consumption by the three consuming sectors within each State and the District of Columbia. A stratified sample using a single stage and systematic selection with probability proportional to size was designed. The measure of size was the volume of natural gas physically delivered in the State to the three consuming sectors by the company in 2000. There were two strata—companies selected with certainty and companies selected under the systematic probability proportional to size design.

Initial calculations showed that a 25 percent sample of companies would yield reasonably accurate estimates. The sample was selected independently in each State, resulting in a national total of 395 respondent companies.

**Certainty Stratum.** Since estimates were needed for each of the 50 States and the District of Columbia, the strata were established independently within each State. In 17 States and the District of Columbia where sampling was not feasible due to small numbers of companies and/or small volumes of gas deliveries, all companies were selected. The 17 States were: Alaska, Connecticut, Delaware, Hawaii, Idaho, Maine, Michigan, North Dakota, New Hampshire, New Jersey, Nevada, Oregon, Rhode Island, South Dakota, Utah, Vermont, and Washington.

For each of the remaining States, the total volumes of industrial sales and deliveries and of the combined residential/commercial sales and deliveries were determined. Companies with natural gas deliveries to the industrial sector or to the combined residential/commercial sector above a certain level were selected with certainty. Since a few large companies often account for most of the natural gas delivered within a State, this ensures those companies' inclusion in the sample. The formula for determining certainty was applied independently in the two consumer sectors—the industrial and the combined residential/commercial. These selected companies, together with the companies in the jurisdictions discussed where sampling was not feasible, formed the certainty stratum.

All companies with natural gas deliveries in sector  $j$  greater than the cut-off value ( $C_j$ ) were included in the certainty stratum. The formula for  $C_j$  was:

$$C_j = \frac{X_{.j}}{2n} \quad (1)$$

Where:

$C_j$  = cutoff value for consumer sector  $j$ ,

$n$  = target sample size to be selected for the State, 25 percent of the companies in the State,

$X_{ij}$  = the annual volume of natural gas deliveries by company  $i$  to customers in consumer sector  $j$ ,

$X_i$  = the sum within State of annual gas volumes for company  $i$ ,

$X_j$  = the sum within State of annual gas volumes in consumer sector  $j$ ,

$X_{..}$  = the sum within State of annual gas volumes in all consumer sectors.

**Noncertainty Stratum.** All other companies formed the noncertainty stratum. They were systematically sampled with probability proportional to size. The measure of size for each company was the total volume of gas sales to all consumer sectors ( $X_i$ ). The number of companies to be selected from the noncertainty stratum was calculated for each State, with a minimum of 2.

The formula for selecting the number of noncertainty stratum companies was:

$$m = n \frac{X_2}{X_{..}} \quad (2)$$

where:

$m$  = the sample size for the noncertainty stratum within a State,

$X_2$  = the sum within State of the  $X_i$  for all companies in the noncertainty stratum.

Companies were listed in ascending order according to their measure of size and then a cumulative measure of size in the stratum was calculated for each company. The cumulative measure of size was the sum of the measures of size for that company and all preceding companies on the list. An interval of width  $I$  for selecting the companies systematically was calculated using.

A uniform random number  $R$  was selected between zero and  $\left(I = \frac{X_2}{m}\right)I$ . The first sampled company was the

first company on the list to have a cumulative measure of size greater than  $R$ . The second company selected was the first company on the list to have a cumulative measure of size greater than  $R + I$ .  $R + I$  was increased again by  $I$  to determine the third company to be selected. This procedure was repeated until the entire sample was drawn.

**Subgroups.** In five States, the noncertainty stratum was divided into subgroups to ensure that gas in each consumer sector could be estimated. The systematic sample with probability proportional to size design described above was applied independently in each subgroup. The methods for determining the subgroup sample size and calculating the subgroup interval for sample selection were the same as the methods described above for the noncertainty stratum, except that  $X_2$  was the sum within State of the  $X_i$  for only those companies in the subgroup.

These subgroups were defined only for the purpose of sample selection. They are:

California: companies delivering gas to residential consumers and those who do not deliver to residential consumers.

Kansas, Louisiana, Texas: companies delivering gas only to industrial consumers and those delivering to any other sector.

South Carolina: companies delivering more than 3 Bcf to consumers and those below that level.

## Estimation Procedures

**Estimates of Volumes.** A ratio estimator is applied to the volumes reported in each State by the sampled companies to estimate the total gas sales and deliveries for the State. Ratio estimators are calculated for each consumer sector — residential, commercial, and industrial — in each State where companies are sampled. The following annual data are taken from the most recent submissions of Form EIA-176:

The formula for calculating the ratio estimator ( $E_{vj}$ ) for the volume of gas in consumer sector  $j$  is:

$$E_{vj} = \frac{\gamma_{.j}}{\gamma'_{.j}} \quad (3)$$

where:

$\gamma_{.j}$  = the sum within State of annual gas volumes in consumer sector  $j$  for all companies,

$\gamma'_{.j}$  = the sum within State of annual gas volumes in consumer sector  $j$  for those companies in the sample.

The ratio estimator is applied as follows:

$$V_{.j} = y_{.j} \times E_{vj} \quad (4)$$

where:

$V_j$  = the State estimate of monthly gas volumes in consumer sector  $j$ ,

$y_j$  = the sum within State of reported monthly gas volumes in consumer sector  $j$ .

**Computation of Natural Gas Prices.** The natural gas volumes that are included in the computation of prices represent only those volumes associated with natural gas sales.

The price of natural gas for a State within a sector is calculated as follows:

$$P_j = \frac{R_j}{V_j}$$

where:

$P_j$  = the average price for gas sales within the State in consumer sector  $j$ ,

$R_j$  = the reported revenue from natural gas sales within the State in consumer sector  $j$ ,

$V_j$  = the reported volume of natural gas sales within the State in consumer sector  $j$ .

All average prices are weighted by their corresponding sales volume estimates when national average prices are computed.

The monthly average prices of natural gas are based on sales data only. Volumes of gas delivered for the account of others to these consumer sectors are not included in the State or national average prices.

Table 25 shows the percent of the total State volume that represents volumes from natural gas sales to the commercial and industrial sectors. This table may be helpful in evaluating commercial and industrial price data. Virtually all natural gas deliveries to the residential sector represent onsystem sales volumes only.

See the section on consumer price calculations in this Appendix for further price information.

**Estimation for Nonrespondents.** A volume for each consumer category is imputed for companies that fail to respond. The imputation is based on the previous month's value reported by the non-responding company and the change from the previous month to the current month in volumes reported by other companies in the State. The imputed volumes are included in the State totals. To estimate prices for non-respondents, the unit price (dollars per thousand cubic feet) reported by the company in the previous month is used.

The formula for imputing volumes of gas sales for nonrespondents was:

Where:

$$F_t = F_{t-1} \times \frac{y_{jt}}{y_{jt-1}} \quad (5)$$

$F_t$  = imputed gas volume for current month  $t$ ,

$F_{t-1}$  = gas volume for the company for the previous month,

$y_{jt}$  = gas volume reported by companies in the State stratum for report month  $t$ ,

$y_{jt-1}$  = gas volume in the previous month for companies in the State stratum that reported in month  $t$ .

## Final Revisions

**Adjusting Monthly Data to Annual Data.** After the annual data reported on the Form EIA-176 have been submitted, edited, and prepared for publication in the *Natural Gas Annual*, revisions are made to monthly data. The revisions are made to the volumes and prices of natural gas delivered to consumers that have appeared in the *Natural Gas Monthly* to match them to the annual values appearing in the *Natural Gas Annual*. The revised monthly estimates allocate the difference between the sum of monthly estimates and the annual reports according to the distribution of the estimated values across the months.

Before the final revisions are made, changes or additions to submitted data received after publication of the monthly estimate and not sufficiently large to require a revision to be published in the *Natural Gas Monthly*, are used to derive an updated estimate of monthly consumption and revenues for each State's residential, commercial, or industrial natural gas consumption.

For each State, two numbers are revised, the estimated consumption and the estimated price per thousand cubic feet.

The formula for revising the estimated consumption is:

$$V_{jm}^* = V_{jm} + \left[ (V_{ja} - V_{jm}') \left( \frac{V_{jm}}{V_{jm}'} \right) \right] \quad (6)$$

where:

$V_{jm}^*$  = the final volume estimate for month  $m$  in consumer sector  $j$ ,

$V_{jm}$  = the estimated volume for month m in consumer sector j,

$V_{ja}$  = the volume for the year reported on Form EIA-176,

$V'_{jm}$  = The annual sum of estimated monthly volumes.

The price is calculated as described above in the Estimation Procedures section, using the final revised consumption estimate and a revised revenue estimate.

The formula for revising the estimated revenue is:

$$R_{jm}^* = R_{jm} + \left[ (R_{ja} - R'_{jm}) \left( \frac{R_{jm}}{R'_{jm}} \right) \right] \quad (7)$$

where:

$R_{jm}^*$  = the final revenue estimate for month m in consumer sector j,

$R_{jm}$  = the estimated revenue for month m in consumer sector j,

$R_{ja}$  = the revenue for the year reported on Form EIA-176,

$R'_{jm}$  = The annual sum of estimated monthly revenues.

**Revision of Volumes and Prices for Deliveries to Electric Utilities.** Revisions to monthly electric utilities data are published throughout the year as they become available.

## Reliability of Monthly Data

The monthly data published in this report are subject to two sources of error - nonsampling error and sampling error. Nonsampling errors occur in the collection and processing of the data. See the discussion of the Form EIA-857 in Appendix B for a description of nonsampling errors for monthly data.

Sampling error may be defined as the difference between the results obtained from a sample and the results that a complete enumeration would provide. The standard error statistic is a measurement of sampling error.

**Standard Errors.** A standard error of an estimate is a statistical measure that indicates how the estimate from the sample compares to the result from a complete enumeration. Standard errors are calculated based on statistical theory that refers to all possible samples of the same size and design.

The standard errors for monthly natural gas volume estimates by State are given in Table C1. Ninety-five percent of the time, the volume that would have been obtained from a complete enumeration will lie in the range between the estimated volume minus two standard errors and the estimated volume plus two standard errors.

The standard error of the natural gas volume estimate is the square root of the variance of the estimate. The formula for calculating the variance of the volume estimate is:

$$V(\hat{y}) = \sum_{h=1}^H \left[ N_h^2 \frac{(1 - \frac{n_h}{N_h})}{n_h(n_h - 1)} \left( \sum_{i=1}^{n_h} (y_i - Tx_i)^2 \right) \right] \quad (8)$$

where:

$H$  = the total number of strata

$N_h$  = the total number of companies in stratum h

$n_h$  = the sample size in stratum h

$y_i$  = the reported monthly volume for company i

$x_i$  = the reported annual volume for company i

$T$  = the ratio of the sum of the reported monthly volumes for sample companies to the sum of the reported annual volumes for the sample companies.



**Table C-1. Standard Error for Natural Gas Deliveries and Price to Consumers by State, August 2002**

State	Volume Million Cubic Feet				Price Dollars per Thousand Cubic Feet		
	Residential	Commercial	Industrial	Total	Residential	Commercial	Industrial
Alabama .....	228	NA	2,980	NA	NA	0.17	NA
Alaska .....	0	0	0	0	—	—	—
Arizona .....	5	61	0	61	0.05	0.20	—
Arkansas .....	NA	NA	13	NA	NA	NA	0.04
California .....	309	121	13,850	13,854	0.06	0.05	0.18
Colorado .....	776	724	NA	NA	0.58	0.70	1.38
Connecticut .....	0	0	0	0	—	—	—
Delaware .....	0	0	0	0	—	—	—
District of Columbia .....	0	0	0	0	—	—	—
Florida .....	165	98	1,105	1,121	NA	NA	0.24
Georgia .....	40	42	93	109	0.07	NA	NA
Hawaii .....	0	0	0	0	—	—	—
Idaho .....	0	0	NA	NA	—	—	NA
Illinois .....	168	430	609	764	0.52	0.42	0.66
Indiana .....	210	NA	1,850	NA	1.13	0.38	0.20
Iowa .....	8	29	163	165	0.06	0.09	NA
Kansas .....	76	84	NA	NA	0.47	0.21	0.90
Kentucky .....	37	126	1,553	1,559	0.63	0.59	4.14
Louisiana .....	NA	NA	11,510	NA	NA	NA	—
Maine .....	0	NA	0	NA	—	NA	—
Maryland .....	NA	NA	NA	NA	NA	NA	NA
Massachusetts .....	60	602	903	1,087	0.62	0.28	0.51
Michigan .....	0	0	0	0	—	—	—
Minnesota .....	NA	NA	NA	NA	NA	NA	NA
Mississippi .....	135	NA	402	NA	0.69	0.90	0.18
Missouri .....	25	10	313	314	0.07	0.40	NA
Montana .....	2	2	0	3	0.04	0.07	—
Nebraska .....	43	37	475	479	0.82	0.14	0.38
Nevada .....	0	0	0	0	—	—	—
New Hampshire .....	0	0	NA	NA	—	—	NA
New Jersey .....	NA	0	NA	NA	NA	—	NA
New Mexico .....	75	188	200	285	0.72	0.23	NA
New York .....	213	498	NA	NA	0.78	0.07	0.14
North Carolina .....	13	41	312	315	0.23	0.19	0.67
North Dakota .....	NA	NA	NA	NA	NA	NA	NA
Ohio .....	104	125	974	987	0.15	0.21	0.12
Oklahoma .....	165	1,420	553	1,533	NA	NA	NA
Oregon .....	0	0	0	0	—	—	—
Pennsylvania .....	0	0	0	0	—	—	—
Rhode Island .....	0	0	0	0	—	—	—
South Carolina .....	43	51	293	300	0.69	0.32	0.12
South Dakota .....	0	0	0	0	—	—	—
Tennessee .....	88	110	966	976	1.01	0.80	0.59
Texas .....	993	11,785	NA	NA	0.61	0.16	NA
Utah .....	0	0	0	0	—	—	—
Vermont .....	0	0	0	0	—	—	—
Virginia .....	26	66	1,043	1,046	0.25	0.24	0.52
Washington .....	NA	NA	NA	NA	NA	NA	NA
West Virginia .....	421	688	32	808	NA	0.48	NA
Wisconsin .....	20	497	851	986	0.58	0.23	0.22
Wyoming .....	12	50	272	277	0.34	0.17	NA
<b>Total .....</b>	<b>1,493</b>	<b>14,020</b>	<b>30,103</b>	<b>33,241</b>	<b>0.17</b>	<b>0.20</b>	<b>0.20</b>

NA Not Available.  
— Not Applicable.

Source: Energy Information Administration, Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers."

# Appendix D

## Technical Contacts

Section	Tables		Principal Data Sources	Technical Contact
Summary Statistics: Natural Gas Production	1,2,3	Monthly: Annual:	EIA-895, "Monthly Quantity and Value of Natural Gas Report"	Sharon Belcher (202)586-6119
Extraction Loss	1	Monthly: Annual:	EIA computations Form EIA-816, "Monthly Natural Gas Liquids Report," and Form EIA-64A, "Annual Report of the Origin of Natural Gas Liquids Production"	Javed Zaidi (202)586-8695
Supplemental Gaseous Fuels	2	Monthly: Annual:	EIA computations Form EIA-176, "Annual Report of Natural and Supplemental Gas Supply and Disposition"	Javed Zaidi (202)586-8695
Imports and Exports	2	Monthly: Annual:	EIA computations Office of Fossil Energy, U.S.Department of Energy, "Natural Gas Import and Exports"	Javed Zaidi (202)586-8695
Price: City Gate, Residential, Commercial, and Industrial	4	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790
Wellhead	4	Monthly: Annual:	EIA computations Form EIA-895, "Monthly Quantity and Value of Natural Gas Report"	Sylvia Norris (202)586-6106
Electric Utility	4	Monthly:	Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
Summary of Natural Gas Imports and Exports	5,6	Monthly:	Quarterly Natural Gas Import and Export Sales and Price Report	Javed Zaidi (202)586-8695
Producer Related Activities: Natural Gas Production	7,8	Monthly:	EIA-895, "Monthly Quantity and Value of Natural Gas Report"	Sharon Belcher (202)586-6119
Underground Storage:	9,10,11, 12,13, 14	Monthly:	Form EIA-191, "Monthly Underground Gas Storage Report"	Carol Jones (202) 586-6168
Distribution and Consumption: Deliveries to: Residential, Commercial, Industrial, Electric Utility, All Consumers	15 16 17 18 19	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
Average Price to: City Gate, Residential, Commercial, Industrial, Electric Utility	20 21 22 23 24	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers" Form FERC-423, "Cost and Quality of Fuels for Electric Power Plants"	Roy Kass (202)586-4790
Onsystem Sales	25	Monthly:	Form EIA-857, "Monthly Report of Natural Gas Purchases and Deliveries to Consumers"	Roy Kass (202)586-4790
Heating Degree Days	26	Seasonal:	National Oceanic and Atmospheric Administration	Patricia Wells (202)586-6077
Highlights				Mary Carlson (202)586-4749

# Glossary

**Aquifer Storage Field:** A sub-surface facility for storing natural gas, consisting of water-bearing sands topped by an impermeable cap rock.

**Balancing Item:** Represents the difference between the sum of the components of natural gas supply and the sum of the components of natural gas disposition. These differences may be due to quantities lost or to the effects of data reporting problems. Reporting problems include differences due to the net result of conversions of flow data metered at varying temperature and pressure bases and converted to a standard temperature and pressure base; the effect of variations in company accounting and billing practices; differences between billing cycle and calendar period time frames; and imbalances resulting from the merger of data reporting systems which vary in scope, format, definitions, and type of respondents.

**Base (Cushion) Gas:** The volume of gas needed as a permanent inventory to maintain adequate underground storage reservoir pressures and deliverability rates throughout the withdrawal season. All native gas is included in the base gas volume.

**British Thermal Unit (Btu):** The heat required to raise the temperature of one pound of water by one degree Fahrenheit at or near 39.2 degrees Fahrenheit.

**City-gate:** A point or measuring station at which a gas distribution company receives gas from a pipeline company or transmission system.

**Commercial Consumption:** Gas used by nonmanufacturing establishments or agencies primarily engaged in the sale of goods or services such as hotels, restaurants, wholesale and retail stores and other service enterprises; and gas used by local, State and Federal agencies engaged in nonmanufacturing activities.

**Depleted Reservoir Storage Field:** A sub-surface natural geological reservoir, usually a depleted oil or gas field, used for storing natural gas.

**Dry Natural Gas Production:** Marketed production less extraction loss.

**Electric Utility:** An enterprise that is engaged in the generation, transmission, or distribution of electric energy primarily for use by the public and that is the major power supplier within a designated service area. Electric utilities include investor-owned, publicly-owned, cooperatively-owned, and government-owned (municipals, Federal agencies, State projects, and public power districts) systems.

**Electric Utility Consumption:** Gas used as fuel in electric utility plants.

**Exports:** Natural gas deliveries out of the continental United States and Alaska to foreign countries.

**Extraction Loss:** The reduction in volume of natural gas resulting from the removal of natural gas liquid constituents at natural gas processing plants.

**Flared:** The volume of gas burned in flares on the base site or at gas processing plants.

**Gas Condensate Well:** A gas well that produces from a gas reservoir containing considerable quantities of liquid hydrocarbons in the pentane and heavier range generally described as "condensate."

**Gas Well:** A well completed for the production of natural gas from one or more gas zones or reservoirs

**Gross Withdrawals:** Full well stream volume, including all natural gas plant liquid and nonhydrocarbon gases, but excluding lease condensate. Also includes amounts delivered as royalty payments or consumed in field operations.

**Heating Value:** The average number of British thermal units per cubic foot of natural gas as determined from tests of fuel samples.

**Imports:** Natural gas received in the Continental United States (including Alaska) from a foreign country.

**Industrial Consumption:** Natural gas used for heat, power, or chemical feedstock by manufacturing establishments or those engaged in mining or other mineral extraction as well as consumers in

agriculture, forestry, and fisheries. Also included in industrial consumption are natural gas volumes used in the generation of electricity by other than regulated electric utilities.

**Intransit Deliveries:** Redeliveries to a foreign country of foreign gas received for transportation across U.S. territory and deliveries of U.S. gas to a foreign country for transportation across its territory and redelivery to the United States.

**Intransit Receipts:** Receipts of foreign gas for transportation across U.S. territory and redelivery to a foreign country and redeliveries to the United States of U.S. gas transported across foreign territory.

**Lease and Plant Fuel:** Natural gas used in well, field, lease operations and as fuel in natural gas processing plants.

**Liquefied Natural Gas (LNG):** Natural gas that has been liquefied by reducing its temperature to minus 260 degrees Fahrenheit at atmospheric pressure.

**Marketed Production:** Gross withdrawals less gas used for repressuring, quantities vented and flared, and nonhydrocarbon gases removed in treating or processing operations. Includes all quantities of gas used in field and processing operations. See Explanatory Note 1 for discussion of coverage of data concerning nonhydrocarbon gases removed.

**Native Gas:** Gas in place at the time that a reservoir was converted to use as an underground storage reservoir as in contrast to injected gas volumes.

**Natural Gas:** A mixture of hydrocarbon compounds and small quantities of various nonhydrocarbons existing in the gaseous phase or solution with oil in natural underground reservoirs at reservoir conditions.

**Nonhydrocarbon Gases:** Typical nonhydrocarbon gases that may be present in reservoir natural gas are carbon dioxide, helium, hydrogen sulfide, and nitrogen.

**Oil Well (Casinghead) Gas:** Associated and dissolved gas produced along with crude oil from oil completions.

**Onsystem Sales:** Sales to customers where the delivery point is a point on, or directly interconnected with, a transportation, storage, and/or distribution system operated by the reporting company.

**Pipeline Fuel:** Gas consumed in the operation of pipelines, primarily in compressors.

**Repressuring:** The injection of gas into oil or gas formations to effect greater ultimate recovery.

**Residential Consumption:** Gas used in private dwellings, including apartments, for heating, cooking, water heating, and other household uses.

**Salt Cavern Storage Field:** A storage facility that is a cavern hollowed out in either a salt "bed" or "dome" formation.

**Storage Additions:** The volume of gas injected or otherwise added to underground natural gas or liquefied natural gas storage during the applicable reporting period.

**Storage Withdrawals:** Total volume of gas withdrawn from underground storage or liquefied natural gas storage during the applicable reporting period.

**Supplemental Gaseous Fuels Supplies:** Synthetic natural gas, propane-air, refinery gas, biomass gas, air injected for stabilization of heating content, and manufactured gas commingled and distributed with natural gas.

**Synthetic Natural Gas (SNG):** A manufactured product chemically similar in most respects to natural gas, that results from the conversion or reforming of petroleum hydrocarbons and may easily be substituted for or interchanged with pipeline quality natural gas.

**Underground Gas Storage Reservoir Capacity:** Interstate company reservoir capacities are those certificated by FERC. Independent producer and intrastate company reservoir capacities are reported as developed capacity.

**Vented Gas:** Gas released into the air on the base site or at processing plants.

**Wellhead Price:** Represents the wellhead sales price, including charges for natural gas plant liquids subsequently removed from the gas, gathering and compression charges, and State production, severance, and/or similar charges.

**Working (Top Storage) Gas:** The volume of gas in an underground storage reservoir above the designed level of the base. It may or may not be completely withdrawn during any particular withdrawal season. Conditions permitting, the total working capacity could be used more than once during any season.